

PacT Series
MasterPacT™ MTZ
with MicroLogic X

**Catalog numbers
and Spare Parts 2025**
Air Circuit Breakers
and switch-disconnectors



January, 2025

se.com

Life Is On

Schneider
Electric

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Contribute to a better world — with MasterPacT MTZ circuit breakers you can enhance sustainability.

Build superior sustainable and efficient properties by reducing CO₂ emissions, utility and operating costs as well as improving the well-being of property occupants for both new construction and renovation projects.



Achieve Green Building certification with MasterPacT MTZ:

In compliance with ISO 14025 PEP Ecopassport program, Schneider Electric publishes a comprehensive Life Cycle Analysis of our product, providing the environmental data you need to achieve Green Building certifications.

For example, MasterPacT MTZ contributes to 4 LEED™ points:

- Building Product Disclosure and Optimization
- Advanced Energy Metering



Circular
performance



Resource
performance



Well-being
performance

With the addition of digital modules, the circuit breaker can be upgraded and modernized at any time after installation without disrupting electrical service.

Better durability with improved mechanical and electrical performance along with remote monitoring to help facilitate predictive maintenance.

The embedded class 1 metering allows active power and energy to be monitored, helping facility managers reduce their CO₂ emissions and energy costs when connected to any building and energy management system.

MasterPacT MTZ is fully RoHS and REACH compliant.



Experience the
difference today at
se.com/green-premium

Order your Circuit Breaker

Order your MasterPacT MTZ through digital tools	I-3
Product selector	I-3
MasterPacT MTZ Product Code	I-5
Order your MasterPacT MTZ digital modules through CCC or Field Service Representative	I-6
MTZ1 06 to MTZ1 16 fixed circuit breakers	I-7
Circuit breakers	I-7
Connections	I-8
Indication contacts and remote operation	I-9
Remote operation	I-10
MTZ1 06 to MTZ1 16 drawout circuit breakers	I-11
Circuit breakers	I-11
Circuit breaker and connections	I-12
Chassis locking and accessories	I-13
Indication contacts and remote operation	I-14
Remote operation	I-15
Accessories for MTZ1 06 to MTZ1 16 fixed or drawout circuit breakers	I-16
MTZ1 06 to MTZ1 16 fixed switch-disconnectors	I-18
Switch-disconnectors	I-18
Connections	I-19
MTZ1 06 to MTZ1 16 drawout switch-disconnectors	I-20
Switch-disconnectors	I-20
Connections	I-21
MTZ2 08 to MTZ3 63 fixed circuit breakers	I-22
Circuit breakers	I-22
Connections	I-24
Indication contacts and remote operation	I-25
Remote operation	I-26
MTZ2 08 to MTZ3 63 drawout circuit breakers	I-27
Circuit breakers	I-27
Chassis	I-29
Connections	I-30
Chassis locking and accessories	I-31
Indication contacts and remote operation	I-33
Remote operation	I-34
Accessories for MTZ2 08 to MTZ3 63 fixed and drawout circuit breakers	I-35
MTZ2 08 to MTZ3 63 fixed switch-disconnectors	I-37
Switch-disconnectors	I-37
Connections	I-38
MTZ2 08 to MTZ3 63 circuit breakers with neutral on the right	I-42
Fixed circuit breakers	I-42
Drawout circuit breakers	I-43
MTZ2 08 to MTZ2 40 - 1150 V AC	I-44
Fixed circuit-breakers	I-44
Drawout circuit breakers and switch-disconnectors	I-46
Drawout circuit breakers and switch-disconnectors Chassis and connections	I-47

Order your Circuit Breaker: Spare Parts

MasterPacT MTZ1	I-49
Connection.....	I-49
MicroLogic X control unit, communication option, accessories	I-50
Remote operation.....	I-51
Chassis locking and accessories.....	I-52
Clusters - NT chassis retrofit to MTZ1	I-53
Circuit breaker locking and accessories.....	I-54
Mechanical interlocking for source changeover	I-55
Indication contacts.....	I-56
Communication, monitoring and control	I-57
MasterPacT MTZ2/3	I-58
Connection.....	I-58
MicroLogic X control unit, communication option, accessories	I-59
Remote operation.....	I-60
Chassis locking and accessories.....	I-61
Clusters - NW chassis retrofit to MTZ2/MTZ3	I-62
Circuit breaker locking and accessories.....	I-63
Mechanical interlocking for source changeover	I-64
Indication contacts.....	I-65
Communication, monitoring and control	I-66

Other chapters on general catalog

Select your circuit breakers and switch-disconnectors.....	A-1
Select your MicroLogic X control unit.....	B-1
Customize your MicroLogic X with digital modules.....	C-1
Customize your circuit breaker with accessories.....	D-1
Integrate in Smart panels - Architecture and systems	E-1
Integrate in switchboard	F-1
Integrate in special applications - Source-changeover systems.....	G-1
Services.....	H-1

Order your MasterPacT MTZ through digital tools

Product selector

To simplify and expedite the ordering of MasterPacT MTZ, 3 tools are needed:

- **Product selector:** An online software tool embedded in Schneider website or in distributor's website to help selecting the right product with its accessories.
- **Product code:** An alphanumeric code representing the selection of a MasterPacT MTZ circuit breaker. It simplifies the way to communicate the selection of a MasterPacT MTZ circuit breaker during ordering, sharing information and asking for help remotely.
- **mySchneider:** online ordering platform of Schneider for partners, offering most of our products.

Product selector

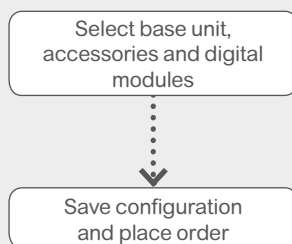
Product Selector aims at providing a fast, secure and smart way of selecting products. It includes the selection of the basic frame, control unit, accessories and Digital Modules. Compared with the traditional way of filling up order forms or specifying customer functions, it brings the following benefits:

- **Easy access:** no login, direct access on Schneider website or on distributor's website
- **Reliable:** compatibilities between core product and accessories are constantly tested
- **Wide coverage:** more than 130 ranges from Schneider are available (MasterPacT, ComPact, TeSys, Acti 9, Altivar...)

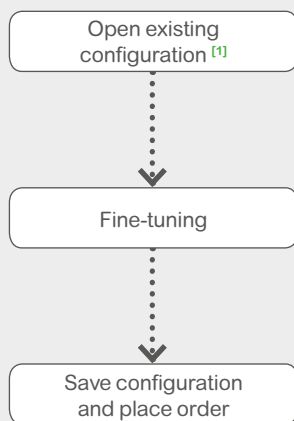
Yesterday,

Ordering process of MasterPacT MTZ with MyPact

new configuration



repeat or modified configuration

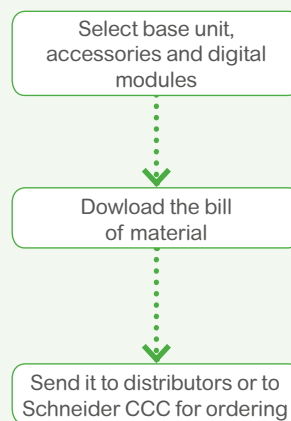


[1] Existing configuration can be opened directly in the saved configurations or by entering the Product Code.

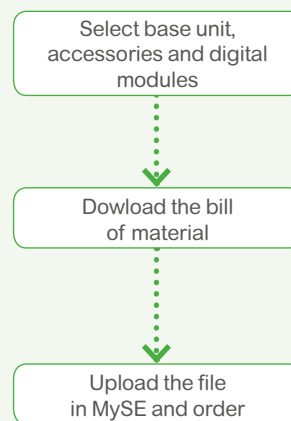
Today,

Ordering process of MasterPacT MTZ with Product Selector

Non Schneider partner



Schneider partner ^[1]

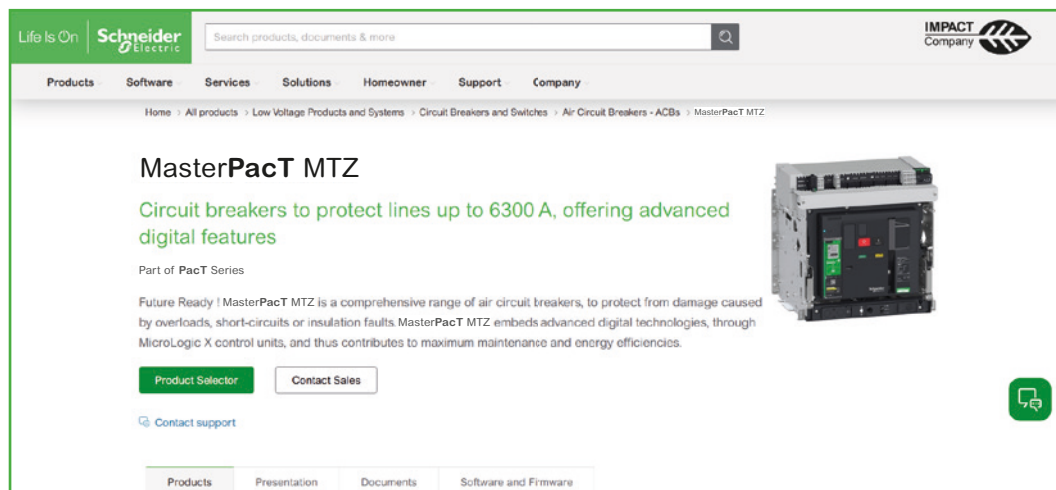


[1] Will be live in January 2019.

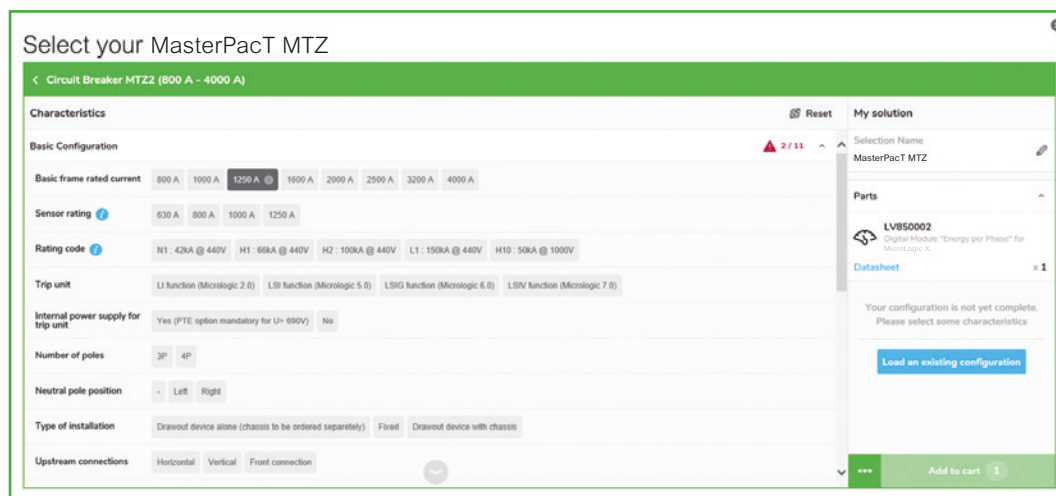
Order your MasterPacT MTZ through digital tools

Product selector

Go on the range page on www.se.com



Click on Product Selector and run your selection



Note: You are always encouraged to use Product Selector to select the characteristics of your product. If you have difficulties accessing or using Product Selector, contact Schneider Electric Customer Care Center or your Schneider Electric sales representatives for more information about MTZ ordering.

Order your MasterPacT MTZ through digital tools

MasterPacT MTZ Product Code

MasterPacT MTZ Product Code is an alphanumeric code representing the complete selection of a MasterPacT MTZ circuit breaker. It will be automatically generated for each MasterPacT MTZ circuit breaker after completing the selection through Product Selector. It will appear in the invoice and delivery documents as well as the labelling on the MasterPacT MTZ circuit breaker and the packaging.

MasterPacT MTZ Product Code brings the following benefits:

- Quick and unique identification of the initial selection of a circuit breaker can be achieved by reading the code on the physical products or other recordings
- Reordering of the same MasterPacT MTZ circuit breaker is simplified by communicating selection through product code
- Recording or sharing information about the initial selection of a circuit breaker is simplified
- Details of the coding rules can be accessed through CCC and there are some of the highlights:
 - All options of accessories are coded.
 - The minimum length of the code is 9 characters and the maximum length of the code is 33* characters depending on the choice of the accessories.
 - Capital letters, numbers and start sign ^[1] are used.

[1] The maximum length of the code may change due to future enrichment of the offer.

An example of MasterPacT MTZ product code

- MasterPacT type: MTZ2
- Rating: 1000A
- Sensor rating: 800A
- Performance Level: H1
- MicroLogic: 5.0 X
- VPS module: Yes
- Number of poles: 4P
- Type of installation: Drawout with chassis
- Connection: Top Horizontal Bottom Horizontal
- Type of communication: ULP + EIFE without I/O module
- Accessories for Design & Installation simplification and operation efficiency: No
- Accessories for People and Property Safety: No

> **Product Code: WADFEADN**A**

Yesterday



Calling CCC and try to explain all the customer functions

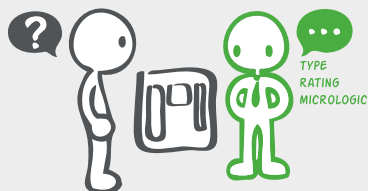
When you want to share information with your colleagues or Schneider Electric CCC

Today



Sending a text message through CCC with the product code

Yesterday



Engaging Schneider Electric Field Service to conduct an analysis

When you want to know the selection of a circuit breaker

Today



Checking the product code on the physical products

Yesterday



Fill up order form or calling Schneider Electric CCC

When you want to reorder a circuit breaker

Today



Type in the product code through Product Selector and send order

Order your MasterPacT MTZ digital modules through CCC or Field Service Representative

DB445523.ai



Protection

Increase people
& property protection



Measurement

Monitor energy
& power quality



Maintenance & diagnostics

Secure uptime,
plan maintenance and
reduce downtime

Schneider Electric allows you to purchase Digital Modules for MasterPacT MTZ control unit MicroLogic X that is already installed in the MasterPacT MTZ. Customize your control unit with optional protection, measurement and Maintenance & diagnostics functionalities.

Electrical contractors and facility managers can upgrade the install base during operational phase of product life cycle, according to new requirements, anytime, without changing the hardware or disrupting operations.

Note: Changing the protection functions among LI (MicroLogic 2.0 X), LSI (MicroLogic 5.0 X), LSIG (MicroLogic 6.0 X) and LSIV (MicroLogic 7.0 X) requires changing the MicroLogic X.

Digital modules option

	3P/4P
Energy per phase	LV850002
Waveform capture trip event	LV850003
Power restoration assistant	LV850004
MasterPacT operation assistant	LV850005
Individual harmonics analysis	LV850006
ANSI 51N/51G - Ground fault Alarm	LV850007
ANSI 51N/51G - IDMT Ground fault Protection	LV850038
ERMS - Energy Reducing Maintenance Settings	LV850009
ANSI 32P - Reverse active power protection	LV850011
ANSI 27/59 - Under/Over voltage protection	LV850012
ANSI 67 - Directional overcurrent	LV850015
ANSI 51 - IDMTL overcurrent protection	LV850037
ANSI 81 - Under/Over frequency protection	LV850013
Modbus legacy dataset	LV850045
IEC 61850 for MasterPacT MTZ	LV850046

MicroLogic X control unit and can only be installed on that particular MicroLogic X. Therefore, the MicroLogic X control unit serial number needs to be shared with your CCC or Schneider Electric Service representative.

For the first purchase for a particular MicroLogic X, three ways to identify Serial Number and commercial references are possible:

1) EcoStruxure Power Commission

When connected to MicroLogic X through either USB connection or IFE/EIFE connection, EcoStruxure Power Commission can read the unique serial number* and identify the MicroLogic X. It will also show all the available Digital Modules which are compatible with the MicroLogic X firmware version. When clicking "Buy", it will invite the user to call CCC or Schneider Electric Service representative to order the Digital Module. Customer must provide control unit serial number and commercial reference.

2) Ecostruxure Power Device App

When connected to MicroLogic X through either Bluetooth connection or NFC connection, Ecostruxure Power Device App will identify the MicroLogic X and proposes available Digital Modules. When clicking "Buy", it will invite the user to call CCC or Schneider Electric service field representative to order the Digital Module. Customer must provide control unit serial number and commercial reference.

Contact your CCC or Schneider Electric representative

Note:

- When ordering a new circuit breaker, Digital Modules are selected in Product Selector and installed in factory before delivered.
- Please Contact your Customer Care Center or Schneider Electric service representative to purchase Digital Modules for MicroLogic X which is already installed.
- The serial number is also printed on the faceplate of MicroLogic X

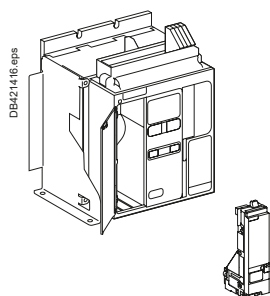
MTZ1 06 to MTZ1 16 fixed circuit breakers

Circuit breakers

A MasterPacT fixed circuit breaker is described by 4 catalog numbers corresponding to:

- the basic circuit breaker
- a control unit
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker

Type H1					
			3P	4P	
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu					
MTZ1 06	630	42	LV847110	LV847115	
MTZ1 08	800	42	LV847120	LV847125	
MTZ1 10	1000	42	LV847130	LV847135	
MTZ1 12	1250	42	LV847140	LV847145	
MTZ1 16	1600	42	LV847150	LV847155	
Type H2					
			3P	4P	
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu					
MTZ1 06	630	50	LV847113	LV847119	
MTZ1 08	800	50	LV847123	LV847128	
MTZ1 10	1000	50	LV847131	LV847138	
MTZ1 12	1250	50	LV847141	LV847147	
MTZ1 16	1600	50	LV847151	LV847157	
Type H3					
			3P	4P	
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu					
MTZ1 06	630	66	LV846436	LV846443	
MTZ1 08	800	66	LV846437	LV846444	
MTZ1 10	1000	66	LV846438	LV846445	
MTZ1 12	1250	66	LV846439	LV846446	
MTZ1 16	1600	66	LV846440	LV846447	
Type L1					
			3P	4P	
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 75 % Icu					
MTZ1 06	630	150	LV847112	LV847117	
MTZ1 08	800	150	LV847122	LV847127	
MTZ1 10	1000	150	LV847132	LV847137	

MicroLogic X control unit

"Class1 IEC 61557-12 certified power meter "

			3P/4P
MicroLogic 2.0 X	basic protection		LV847280
MicroLogic 5.0 X	selective protection		LV847283
MicroLogic 6.0 X	selective + earth-fault protection		LV847288
MicroLogic 7.0 X	selective + earth-leakage protection		LV847287

Digital modules option

			3P/4P
Energy per phase			LV850002
Waveform capture trip event			LV850003
Power restoration assistant			LV850004
MasterPacT operation assistant			LV850005
Individual harmonics analysis			LV850006
ANSI 51N/51G - Ground fault Alarm			LV850007
ANSI 51N/51G - IDMT Ground fault Protection			LV850038
ERMS - Energy Reducing Maintenance Settings			LV850009
ANSI 32P - Reverse active power protection			LV850011
ANSI 27/59 - Under/Over voltage protection			LV850012
ANSI 67 - Directional overcurrent			LV850015
ANSI 51 - IDMTL overcurrent protection			LV850037
ANSI 81 - Under/Over frequency protection			LV850013
Modbus legacy dataset			LV850045
IEC 61850 for MasterPacT MTZ			LV850046

Ethernet communication option

ULP Port		LV850063
ULP port wires for MTZ1		LV836388
IFM Modbus interface		LV434000
IFE Ethernet interface for LV breaker		LV434001
	Ethernet interface for LV breakers and gateway	LV434002
I/O application module		LV434063

Auxiliaries and accessories:

for fixed devices: see [page I-16](#).

for fixed or drawout devices: see [page I-16](#).

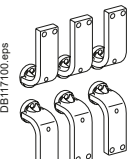
Switch-disconnector version: see [page I-18](#).

Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 fixed circuit breakers

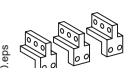
Connections

Front connection

	630-1600 A	Top	3P LV847328	4P LV847330
		Bottom	LV847329	LV847331

Front connection accessories

Vertical connection adapters 630-1600 A

	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Interphase barriers

	3P/4P top (3 parts)	LV833648SP
	3P/4P bottom (3 parts)	LV833648SP

Arc chute screen

	3P	LV847335SP
	4P	LV847336SP

Rear connection

Vertical connection

	630-1600 A	Top	3P LV833604	4P LV833614
		Bottom	LV833605	LV833615

Horizontal connection

	630-1600 A	Top	3P LV833606	4P LV833616
		Bottom	LV833607	LV833617

Rear connection accessories

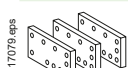
	Interphase barriers			
	3P/4P top (3 parts)		LV833648SP	
	3P/4P bottom (3 parts)		LV833648SP	

Common accessories for front and rear connections

Spreaders

	630-1600 A	3P	LV833622SP	
		4P	LV833623SP	
	For front and horizontal rear connection			

Cable lug adapters 630-1600 A

	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

MTZ1 06 to MTZ1 16 fixed circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

DB117067.eps		
	Changeover contacts (6 A - 240 V)	4 (standard)
	1 low-level OF to replace 1 standard OF (4 max.)	LV847339

"Fault trip" indication contacts (SDE)

DB117059.eps		
	Changeover contact (6 A - 240 V)	1 (standard)
	1 additional SDE (6 A - 240 V)	LV847340
	1 additional low-level SDE	LV847341

Programmable contacts (programmed via MicroLogic X control unit)

DB424639.eps		
	2 contacts (M2C) (5 A - 240 V)	LV847403

IO contact

LV836302.eps		
	ESM module "ERMS Switch Module"	LV836301

Remote operation

"Ready to close" contact (1 max.)

DB117070.eps		
	1 changeover contact (5 A - 240 V)	PF LV847342
	1 low-level changeover contact	LV847343

Electrical closing pushbutton

DB424640.eps		
	1 pushbutton	BPFE LV847512

Remote reset after fault trip

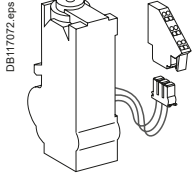
DB424641.eps		
	Electrical reset	RES
	100/130 V AC	LV847344
	200/240 V AC	LV847345
	Automatic reset	RAR
	Adaptation	LV847346

MTZ1 06 to MTZ1 16 fixed circuit breakers

Remote operation

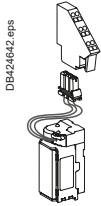
Remote ON/OFF

Gear motor



AC 50/60 Hz	48 V	MCH
	100/130 V	LV847391
	200/240 V	LV847395
	277/415 V	LV847396
	440/480 V	LV847398
DC	24/30 V	LV847400
	48/60 V	LV847390
	100/130 V	LV847391
	200/250 V	LV847392
		LV847393

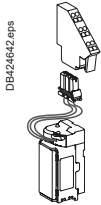
Instantaneous voltage releases



		Closing release	Opening release
Standard		XF	MX
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847350	LV847360
	48/60 V DC, 48 V AC	LV847351	LV847361
	100/130 V AC/DC	LV847352	LV847362
	200/250 V AC/DC	LV847353	LV847363
	277 V AC	LV847354	LV847364
DC	380/480 V AC	LV847355	LV847365
Diagnostics & Communicating		XF diag & com	MX diag & com
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847311	LV847321
	48/60 V DC, 48 V AC	LV847312	LV847322
	100/130 V AC/DC	LV847313	LV847323
	200/250 V AC/DC	LV847314	LV847324
	277 V AC	LV847315	LV847325
DC	380/480 V AC	LV847316	LV847326
Standard		Opening release	
		MN	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847380	
	48/60 V DC, 48 V AC	LV847381	
	100/130 V AC/DC	LV847382	
	200/250 V AC/DC	LV847383	
	380/480 V AC	LV847385	
Diagnostics		MN diag	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV836700	
	48/60 V DC, 48 V AC	LV836701	
	100/130 V AC/DC	LV836702	
	200/250 V AC/DC	LV836703	
	380/480 V AC	LV836704	

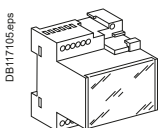
Remote tripping

Instantaneous voltage release



AC 50/60 Hz	24/30 V DC, 24 V AC	2 nd MX
	48/60 V DC, 48 V AC	LV847370
	100/130 V AC/DC	LV847371
	200/250 V AC/DC	LV847372
	277 V AC	LV847373
DC	380/480 V AC	LV847374
		LV847375

MN delay unit



AC 50/60 Hz	48/60 V AC/DC	R (non-adjustable)	Rr (adjustable)
	100/130 V AC/DC	LV833684SP	LV833680SP
	200/250 V AC/DC	LV833685SP	LV833681SP
	380/480 V AC/DC		LV833682SP
			LV833683SP

[1] No compatible with any version of MN coils.

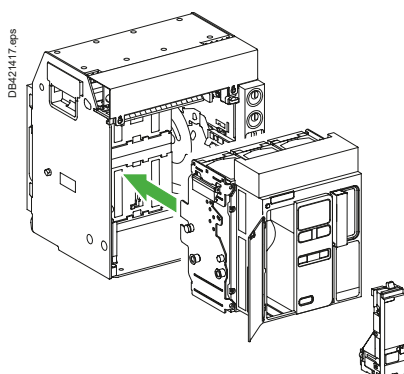
MTZ1 06 to MTZ1 16 drawout circuit breakers

Circuit breakers

A MasterPacT drawout circuit breaker is described by minimum 5 catalog numbers corresponding to:

- the basic circuit breaker
- a control unit
- a chassis with standard terminal blocks
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker

Type H1			3P	4P
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu				
MTZ1 06	630	42	LV847200	LV847205
MTZ1 08	800	42	LV847210	LV847215
MTZ1 10	1000	42	LV847220	LV847225
MTZ1 12	1250	42	LV847230	LV847235
MTZ1 16	1600	42	LV847240	LV847245

Type H2			3P	4P
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu				
MTZ1 06	630	50	LV847203	LV847209
MTZ1 08	800	50	LV847211	LV847218
MTZ1 10	1000	50	LV847221	LV847228
MTZ1 12	1250	50	LV847231	LV847237
MTZ1 16	1600	50	LV847241	LV847247

Type H3			3P	4P
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu				
MTZ1 06	630	66	LV846450	LV846457
MTZ1 08	800	66	LV846451	LV846458
MTZ1 10	1000	66	LV846452	LV846459
MTZ1 12	1250	66	LV846453	LV846460
MTZ1 16	1600	66	LV846454	LV846461

Type L1			3P	4P
In (A at 40 °C) Icu (kA for U = 220/415 V) - Ics = 100 % Icu				
MTZ1 06	630	150	LV847202	LV847207
MTZ1 08	800	150	LV847212	LV847217
MTZ1 10	1000	150	LV847222	LV847227

MicroLogic X control unit

"Class1 IEC 61557-12 certified power meter"

			3P/4P
MicroLogic 2.0 X	basic protection		LV847281
MicroLogic 5.0 X	selective protection		LV847284
MicroLogic 6.0 X	selective + earth-fault protection		LV847292
MicroLogic 7.0 X	selective + earth-leakage protection		LV865307

Digital modules option

			3P/4P
Energy per phase			LV850002
Waveform capture trip event			LV850003
Power restoration assistant			LV850004
MasterPacT operation assistant			LV850005
Individual harmonics analysis			LV850006
ANSI 51N/51G - Ground fault Alarm			LV850007
ANSI 51N/51G - IDMT Ground fault Protection			LV850038
ERMS - Energy Reducing Maintenance Settings			LV850009
ANSI 32P - Reverse active power protection			LV850011
ANSI 27/59 - Under/Over voltage protection			LV850012
ANSI 67 - Directional overcurrent			LV850015
ANSI 51 - IDMTL overcurrent protection			LV850037
ANSI 81 - Under/Over frequency protection			LV850013
Modbus legacy dataset			LV850045
IEC 61850 for MasterPacT MTZ			LV850046

Chassis

For type H1 - H2 -H3			3P	4P
630-1250 A			LV833722	LV833725
1600 A			LV833723	LV833726
For type L1			3P	4P
630-1000 A			LV833723	LV833726

Auxiliaries and accessories:
 for drawout devices: see [page I-16](#).
 for fixed or drawout devices: see [page I-16](#).
 Switch-disconnector version: see [page I-18](#).
 Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 drawout circuit breakers

Circuit breaker and connections

Chassis terminal blocks

Standard terminal blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below:

- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional terminal blocks

If the device is equipped with one or a combination of the following 3 additional accessories:

- SDE2/RES
- M2C/ESM
- PTE

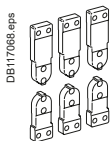
all the necessary chassis terminal blocks are coded by one of the part numbers below :

Chassis terminal block for PTE	LV839461
Chassis terminal block for SDE2	LV839462
Chassis terminal blocks for PTE + SDE2	LV839463
Chassis terminal block for M2C/ESM	LV839464
Chassis terminal blocks for SDE2 + M2C/ESM	LV839465

Ethernet communication option

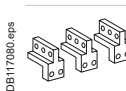
ULP port		LV850064
ULP port wires for MTZ1		LV836388
EIFE	Embedded ethernet interface for LV breaker	LV851100
IFM	Modbus interface	LV434000
IFE	Ethernet interface for LV breaker	LV434001
	Ethernet interface for LV breakers and gateway	LV434002
I/O application module		LV434063

Chassis front connection

	630-1600 A	Top	3P	4P
			LV833727	LV833733
		Bottom	LV833728	LV833734

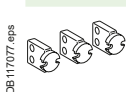
Front connection accessories

Vertical connection adapters 630-1600 A

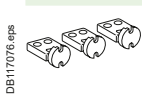
	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Chassis rear connection

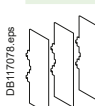
Vertical connection

	630-1600 A	Top	3P	4P
			LV833729	LV833735
		Bottom	LV833730	LV833736

Horizontal connection

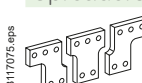
	630-1600 A	Top	3P	4P
			LV833731	LV833737
		Bottom	LV833732	LV833738

Rear connection accessories

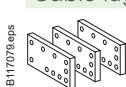
	Interphase barriers ^[1]	
	3P/4P (3 parts)	LV833768SP
	[1] The same kit covers the top and the bottom connections at the same time.	

Common accessories for front and rear connection

Spreaders

	630-1600 A	3P	LV833622SP
		4P	LV833623SP
	For front and horizontal rear connection.		

Cable lug adapters 630-1600 A

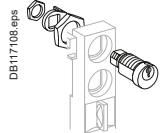
	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

MTZ1 06 to MTZ1 16 drawout circuit breakers

Chassis locking and accessories

Chassis locking

"Disconnected" position locking



By padlocks

VCPO	Standard
------	----------

By Profalux keylocks

Profalux	1 lock with 1 key + adaptation kit	LV833773
	2 locks 1 key + adaptation kit	LV833774
	2 locks 2 different keys + adaptation kit	LV833775

By Ronis keylocks

Ronis	1 lock with 1 key + adaptation kit	LV833776
	2 locks 1 key + adaptation kit	LV833777
	2 locks 2 different keys + adaptation kit	LV833778

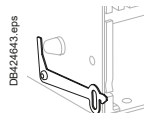
Optional disconnected/test/connected position locking	LV833779
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Adaptation kit	adaptation kit Profalux / Ronis	LV833769SP
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(without keylock):	adaptation kit Castell	LV833771SP
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	adaptation kit Kirk	LV833772SP
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Door interlock (1 part)



Right-hand side of chassis (VPECD)	LV833786
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Left-hand side of chassis (VPECG)	LV833787
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Racking interlock



Racking interlock (VPOC)	LV833788
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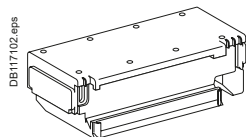
Breaker mismatch protection



Breaker mismatch protection (VDC)	LV833767SP
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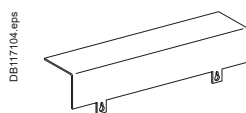
Chassis accessories

Arc chute cover



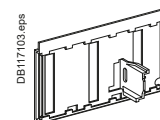
3P/4P	Standard
-------	----------

Auxiliary terminal shield (CB)



Terminal shield	3P	LV833763
	4P	LV833764

Safety shutters as standard



Safety shutters (VO)	3P	Standard
	4P	Standard

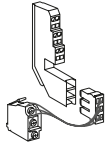
MTZ1 06 to MTZ1 16 drawout circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

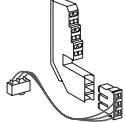
DB117063.eps



Changeover contacts (6 A - 240 V)	4 (standard)
1 low-level OF to replace 1 standard OF (4 max.)	LV833806

"Fault trip" indication contacts (SDE)

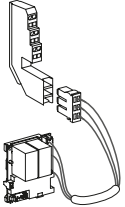
DB117068.eps



Changeover contact (6 A - 240 V)	1 (standard)
1 additional SDE (6 A - 240 V)	LV847430
1 additional low-level SDE	LV847431

Programmable contacts (programmed via MicroLogic X control unit)

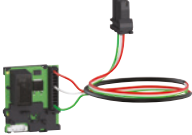
DB424645.eps



2 contacts M2C (5 A - 240 V)	LV847483
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IO contact

LV836302.eps



ESM module "ERMS Switch Module"	LV836302
---------------------------------	-----------------

Carriage switches (connected / disconnected / test position)

DB117061.eps



Changeover contacts (6 A - 240 V)	
1 connected position contact (3 max.)	LV833751
1 test position contact (1 max.)	LV833752
1 disconnected position contact (2 max.)	LV833753

And/or low-level changeover contacts

1 connected position contact (3 max.)	LV833754
1 test position contact (1 max.)	LV833755
1 disconnected position contact (2 max.)	LV833756

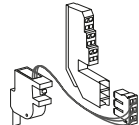
Auxiliary terminals for chassis alone

3 wire terminal (30 parts)	LV847071SP
6 wire terminal (10 parts)	LV847072SP
Jumpers (10 parts)	LV847900SP

Remote operation

"Ready to close" contact (1 max.)

DB117059.eps



	PF
1 changeover contact (5 A - 240 V)	LV847432
1 low-level changeover contact	LV847433

Electrical closing pushbutton

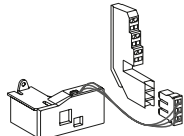
DB424640.eps



	BPFE
1 pushbutton	LV847512

Remote reset after fault trip

DB117062.eps



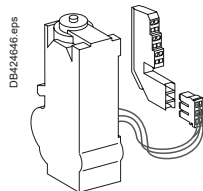
Electrical reset	RES
100/130 V AC	LV847434
200/240 V AC	LV847435
Automatic reset	RAR
Adaptation	LV847346

MTZ1 06 to MTZ1 16 drawout circuit breakers

Remote operation

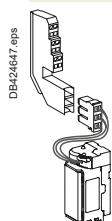
Remote ON/OFF

Gear motor



AC 50/60 Hz	48 V	MCH
	100/130 V	LV847461
	200/240 V	LV847465
	277/415 V	LV847466
	440/480 V	LV847468
DC	24/30 V	LV847470
	48/60 V	LV847460
	100/130 V	LV847461
	200/250 V	LV847462
		LV847463

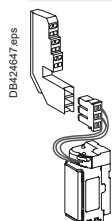
Instantaneous voltage releases



		Closing release	Opening release
Standard		XF	MX
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847440	LV833810
	48/60 V DC, 48 V AC	LV847441	LV833811
	100/130 V AC/DC	LV847442	LV833812
	200/250 V AC/DC	LV847443	LV833813
	277 V AC	LV847444	LV833814
DC	380/480 V AC	LV847445	LV833815
Diagnostics & Communicating		XF diag & com	MX diag & com
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847412	LV833792
	48/60 V DC, 48 V AC	LV847413	LV833793
	100/130 V AC/DC	LV847414	LV833794
	200/250 V AC/DC	LV847415	LV833795
	277 V AC	LV847416	LV833796
DC	380/480 V AC	LV847417	LV833797
Standard		Opening release	
		MN	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV833819	
	48/60 V DC, 48 V AC	LV833820	
	100/130 V AC/DC	LV833821	
	200/250 V AC/DC	LV833822	
	380/480 V AC	LV833824	
Diagnostics		MN diag	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV836710	
	48/60 V DC, 48 V AC	LV836711	
	100/130 V AC/DC	LV836712	
	200/250 V AC/DC	LV836713	
	380/480 V AC	LV836714	

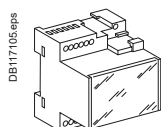
Remote tripping

Instantaneous voltage release



AC 50/60 Hz	24/30 V DC, 24 V AC	2 nd MX
	48/60 V DC, 48 V AC	LV847450
	100/130 V AC/DC	LV847451
	200/250 V AC/DC	LV847452
	277 V AC	LV847453
DC	380/480 V AC	LV847454
		LV847455

MN delay unit



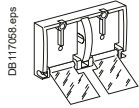
		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48/60 V AC/DC		LV833680SP
	100/130 V AC/DC	LV833684SP	LV833681SP
	200/250 V AC/DC	LV833685SP	LV833682SP
	380/480 V AC/DC		LV833683SP

[1] No compatible with any version of MN coils.

Accessories for MTZ1 06 to MTZ1 16 fixed or drawout circuit breakers

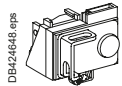
Circuit breaker locking

Pushbutton locking device



By padlocks	LV833897
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OFF position locking



By padlocks + BPFE support

VCPO	LV847514
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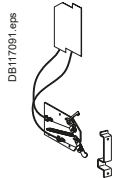
By Profalux keylocks

Profalux	1 lock with 1 key + adaptation kit	LV847519
	2 locks 1 key + adaptation kit	LV847520

By Ronis keylocks

Ronis	1 lock with 1 key + adaptation kit	LV847521
	2 locks 1 key + adaptation kit	LV847522
Adaptation kit	adaptation kit Profalux / Ronis	LV847515SP
(without keylock):	adaptation kit Kirk	LV847517SP
	adaptation kit Castell	LV847518SP

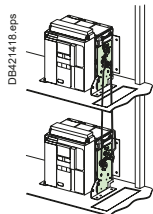
Cable-type door interlock



1 complete assembly for MasterPacT MTZ1 fixed devices	LV833920SP
1 complete assembly for MasterPacT MTZ1 drawout devices	LV833921SP

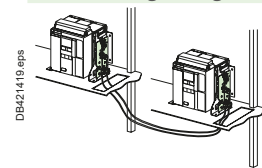
Mechanical interlocking for source changeover

Interlocking using connecting rods



Choose 1 kit of 2 adaptation fixtures + 1 set of rods	
Kit of 2 MasterPacT MTZ1 adaptation fixtures for fixed devices	LV833203SP
Kit of 2 MasterPacT MTZ1 adaptation fixtures for drawout devices	LV833204SP
1 set of 2 interlocking rods	LV833210SP

Interlocking using cables ^[1]

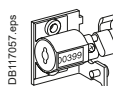


Choose 2 adaptation fixtures (1 for each breaker) + 1 set of cables	
1 adaptation fixture for MasterPacT MTZ1 fixed devices	LV833200SP
1 adaptation fixture for MasterPacT MTZ1 drawout devices	LV833201SP
1 set of 2 cables	LV833209SP

[1] Can be used with any combination of MTZ, fixed or drawout devices.

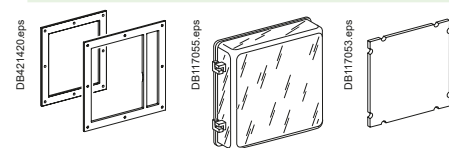
Other circuit breaker accessories

Mechanical operation counter



Operation counter CDM	LV833895
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Escutcheon and accessories



	Fixed	Drawout
Escutcheon	LV833718SP	LV833857SP
Transparent cover (IP54)		LV833859SP
Escutcheon blanking plate		LV833858SP

Escutcheon

Cover

Blanking plate

Accessories for MTZ1 06 to MTZ1 16 fixed or drawout circuit breakers

Accessories for MicroLogic control units

External sensors

External sensor for earth-leakage protection (TCE)

DB421348.ai		Sensor rating 400/1600 A	LV833576SP

Rectangular sensor for earth-leakage protection

DB421430.eps		280 mm x 115 mm	LV833573SP

Source ground return (SGR) earth fault protection

DB421429.eps		External sensor (SGR) MDGF summing module	LV833579SP
			LV848891SP

Voltage measurement input (for breakers supplied via bottom terminals)

DB424877.eps		Voltage measurement input	Fixed	LV847506
			Drawout	LV847507

Voltage power supply module (VPS) for MicroLogic X

DB421408.eps				LV850060

Zone Selective Interlocking option for MicroLogic X

ZSI	Standard
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External 24 V DC MicroLogic power supply

DB432608.eps		24/30 V DC	LV454440
		48/60 V DC	LV454441
		100/125 V DC	LV454442
		110/130 V AC	LV454443
		200/240 V AC	LV454444

Restraint Interface Module - ZSI

DB401951.ai				LV848892SP

Test & Commissioning equipment

USB Cable (miniUSB/USB) for MicroLogic X

DB421409.eps				LV850067SP

Mobile Power Pack for MicroLogic X (by APC)

DB421410.eps				LV850055SP

Special settings

To be specified when ordering

Sensors rating	MTZ1 06	MTZ1 08	MTZ1 10	MTZ1 12	MTZ1 16
400	■	■	■		
630		■	■	■	
800			■	■	■
1000				■	■
1250					■
1600					

Order your Circuit Breaker

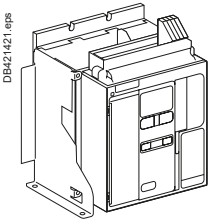
MTZ1 06 to MTZ1 16 fixed switch-disconnectors

Switch-disconnectors

A MasterPacT fixed switch-disconnector is described by 3 catalog numbers corresponding to:

- the basic switch-disconnector
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector

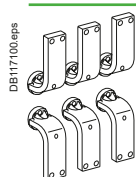
Type HA			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ1 06	630	60	LV847159	LV847160
MTZ1 08	800	60	LV847161	LV847162
MTZ1 10	1000	60	LV847163	LV847164
MTZ1 12	1250	60	LV847165	LV847166
MTZ1 16	1600	60	LV847167	LV847168

Auxiliaries and accessories:
for fixed devices: see [page I-16](#).
for fixed or drawout devices: see [page I-16](#).
Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 fixed switch-disconnectors

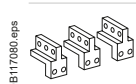
Connections

Front connection

	630-1600 A	Top	3P	4P
		Bottom	LV847328 LV847329	LV847330 LV847331

Front connection accessories

Vertical connection adapters 630-1600 A

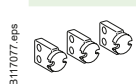
	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Interphase barriers

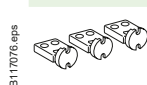
	3P/4P top (3 parts)	LV833648SP
	3P/4P bottom (3 parts)	LV833648SP

Rear connection

Vertical connection

	630-1600 A	Top	3P	4P
		Bottom	LV833604 LV833605	LV833614 LV833615

Horizontal connection

	630-1600 A	Top	3P	4P
		Bottom	LV833606 LV833607	LV833616 LV833617

Rear connection accessories

Interphase barriers

	3P/4P top (3 parts)	LV833648SP
	3P/4P bottom (3 parts)	LV833648SP

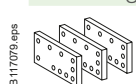
Common accessories for front and rear connection

Spreaders



630-1600 A 3P 4P	LV833622SP
	LV833623SP
	For front and horizontal rear connection

Cable lug adapters 630-1600 A

	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

Order your Circuit Breaker

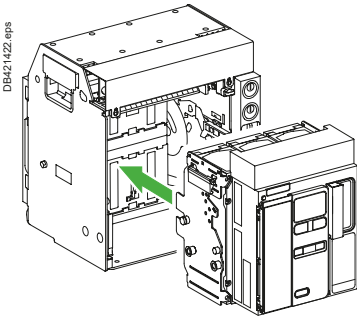
MTZ1 06 to MTZ1 16 drawout switch-disconnectors

Switch-disconnectors

A MasterPacT drawout switch-disconnector is described by minimum 4 catalog numbers corresponding to:

- the basic switch-disconnector
- a chassis with standard terminal blocks
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector

Type HA				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ1 06	630	75	LV847248	LV847249
MTZ1 08	800	75	LV847250	LV847251
MTZ1 10	1000	75	LV847252	LV847253
MTZ1 12	1250	75	LV847254	LV847255
MTZ1 16	1600	75	LV847256	LV847257

Chassis

	3P	4P
630/1250 A	LV833722	LV833725
1600 A	LV833723	LV833726

Chassis terminal blocks

Standard terminal blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below:

- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional terminal blocks

If the device is equipped with one or a combination of the following 3 additional accessories:

- SDE2/RES
- M2C/ESM
- PTE

all the necessary chassis terminal blocks are coded by one of the part numbers below :

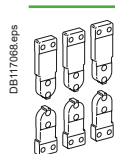
Chassis terminal block for PTE	LV839461
Chassis terminal block for SDE2	LV839462
Chassis terminal blocks for PTE + SDE2	LV839463
Chassis terminal block for M2C/ESM	LV839464
Chassis terminal blocks for SDE2 + M2C/ESM	LV839465

Auxiliaries and accessories:
for fixed devices: see [page I-13](#)
for fixed or drawout devices: see [page I-16](#).
Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 drawout switch-disconnectors

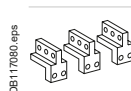
Connections

Chassis front connection

	630-1600 A	Top	3P	
			LV833727	LV833733
		Bottom	LV833728	LV833734

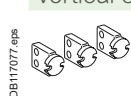
Front connection accessories

Vertical connection adapters 630-1600 A

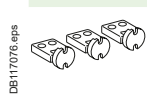
	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Chassis rear connection

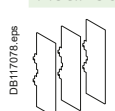
Vertical connection

	630-1600 A	Top	3P	
			LV833729	LV833735
		Bottom	LV833730	LV833736

Horizontal connection

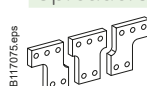
	630-1600 A	Top	3P	
			LV833731	LV833737
		Bottom	LV833732	LV833738

Rear connection accessories

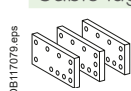
	Interphase barriers ^[1]			
	3P/4P (3 parts)		LV833768SP	
	[1] The same kit covers the top and the bottom connections at the same time.			

Common accessories for front and rear connection

Spreaders

	630-1600 A	3P	LV833622SP
		4P	LV833623SP
	For front and horizontal rear connection		

Cable lug adapters 630-1600 A

	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

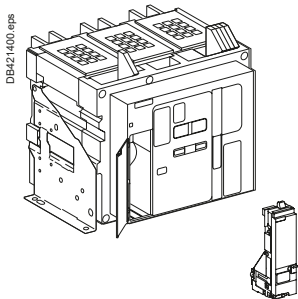
MTZ2 08 to MTZ3 63 fixed circuit breakers

Circuit breakers

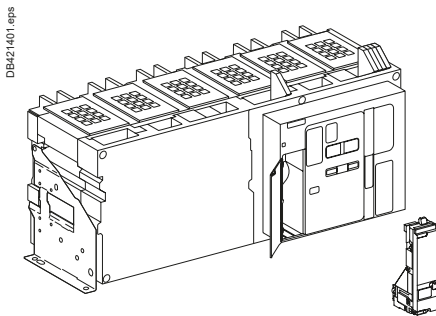
A MasterPacT fixed circuit breaker is described by 4 catalog numbers corresponding to:

- the basic circuit breaker
- a control unit
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker ≤ 4000 A.



Basic circuit breaker ≥ 4000 A.

[1] Select a 4P basic circuit breaker with neutral on the right page I-42.

All other catalog numbers are unchanged.

Auxiliaries and accessories:

for fixed devices: see [page I-35](#).

for fixed or drawout devices: see [page I-35](#).

Switch-disconnector version: see [page I-37](#).

Source changeover assembly: see [page I-35](#).

Basic circuit breaker

Type N1				
			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	42	LV848000	LV848007
MTZ2 10	1000	42	LV848014	LV848021
MTZ2 12	1250	42	LV848028	LV848035
MTZ2 16	1600	42	LV848042	LV848049
MTZ2 20	2000	42	LV848056	LV848063

Type H1				
			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	66	LV848001	LV848008
MTZ2 10	1000	66	LV848015	LV848022
MTZ2 12	1250	66	LV848029	LV848036
MTZ2 16	1600	66	LV848043	LV848050
MTZ2 20	2000	66	LV848057	LV848064
MTZ2 25	2500	66	LV848070	LV848076
MTZ2 32	3200	66	LV848082	LV848087
MTZ2 40	4000	66	LV848092	LV848097
MTZ3 40	4000	100	LV848106	LV848109
MTZ3 50	5000	100	LV848112	LV848115
MTZ3 63	6300	100	LV848118	LV848121

Type H2				
			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	100	LV848002	LV848009
MTZ2 10	1000	100	LV848016	LV848023
MTZ2 12	1250	100	LV848030	LV848037
MTZ2 16	1600	100	LV848044	LV848051
MTZ2 20	2000	100	LV848058	LV848065
MTZ2 25	2500	100	LV848071	LV848077
MTZ2 32	3200	100	LV848083	LV848088
MTZ2 40	4000	100	LV848093	LV848098
MTZ3 40	4000	150	LV848107	LV848110
MTZ3 50	5000	150	LV848113	LV848116
MTZ3 63	6300	150	LV848119	LV848122

Type H2V				
			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	100	LV846160	LV846180
MTZ2 10	1000	100	LV846161	LV846181
MTZ2 12	1250	100	LV846162	LV846182
MTZ2 16	1600	100	LV846163	LV846183
MTZ2 20	2000	100	LV846164	LV846184
MTZ2 25	2500	100	LV846165	LV846185
MTZ2 32	3200	100	LV846166	LV846186
MTZ2 40	4000	100	LV846167	LV846187

Option				
Neutral on the right				[1]

MTZ2 08 to MTZ3 63 fixed circuit breakers

Circuit breakers

MicroLogic X control unit

"Class1 IEC 61557-12 certified power meter"		
		3P/4P
MicroLogic 2.0 X	basic protection	LV847280
MicroLogic 5.0 X	selective protection	LV847283
MicroLogic 6.0 X	selective + earth-fault protection	LV847288
MicroLogic 7.0 X ^[1]	selective + earth-leakage protection	LV847287

Digital modules option

	3P/4P
Energy per phase	LV850002
Waveform capture trip event	LV850003
Power restoration assistant	LV850004
MasterPacT operation assistant	LV850005
Individual harmonics analysis	LV850006
ANSI 51N/51G - Ground fault Alarm	LV850007
ANSI 51N/51G - IDMT Ground fault Protection	LV850038
ERMS - Energy Reducing Maintenance Settings	LV850009
ANSI 32P - Reverse active power protection	LV850011
ANSI 27/59 - Under/Over voltage protection	LV850012
ANSI 67 - Directional overcurrent	LV850015
ANSI 51 - IDMTL overcurrent protection	LV850037
ANSI 81 - Under/Over frequency protection	LV850013
Modbus legacy dataset	LV850045
IEC 61850 for MasterPacT MTZ	LV850046

[1] Only for breaker up to 3200A

Auxiliaries and accessories:
 for fixed devices: see [page I-35](#).
 for fixed or drawout devices: see [page I-35](#).
 Switch-disconnector version: see [page I-37](#).
 Source changeover assembly: see [page I-35](#).

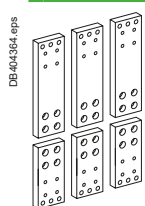
Communication option

ULP port	LV850061
IFM Modbus interface	LV434000
IFE Ethernet interface for LV breaker	LV434001
Ethernet interface for LV breakers and gateway	LV434002
I/O application module	LV434063

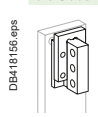
MTZ2 08 to MTZ3 63 fixed circuit breakers

Connections

Front connection

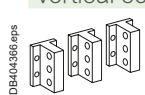
	800-1600 A	Top	3P	LV848128	4P	LV848153
		Bottom		LV848130		LV848155
	2000 A	Top		LV848124		LV848126
		Bottom		LV848125		LV848127
	2500/3200 A	Top		LV848129		LV848154
		Bottom		LV848131		LV848156

Front connection accessories

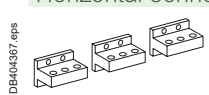
	Disconnectable front connection					
	1600 A		3P	LV848421SP	4P	LV848424SP
	2000/3200 A			LV848422SP		LV848425SP

Rear connection

Vertical connection

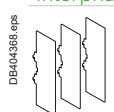
	800-2000 A	Top	3P	LV848133	4P	LV848158
		Bottom		LV848138		LV848163
	800-1600 A type L1	Top		LV848134		LV848159
	2500/3200 A	Top		LV848139		LV848164
	2000 A types H3/L1	Bottom		LV848135		LV848160
	4000 A	Top		LV848140		LV848165
	4000/5000 A	Bottom		LV848141		LV848166
		Top		LV848136		LV848161
	6300 A	Bottom		LV848142		LV848167
		Top		LV848137		LV848162
		Bottom		LV848143		LV848168
		Top		LV848148		LV848173

Horizontal connection

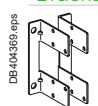
	800-2000 A	Top	3P	LV848143	4P	LV848168
		Bottom		LV848148		LV848173
	800-1600 A type L1	Top		LV848144		LV848169
	2500/3200 A	Top		LV848149		LV848174
	2000 A types H3/L1	Bottom		LV848145		LV848170
	4000 A	Top		LV848150		LV848175
	4000/5000 A	Bottom		LV848146		LV848171
		Top		LV848151		LV848176
		Bottom		LV848151		LV848176
		Top		LV848151		LV848176
		Bottom		LV848151		LV848176
		Top		LV848151		LV848176

Rear connection accessories

Interphase barriers ^[1]

	3P/4P (3 parts)			LV848599SP
	[1] The same kit covers the top and the bottom connections at the same time.			

Brackets for mounting on a backplate

	2 parts			LV847829

Grounding kit

Grounding kit for MasterPacT MTZ2/MTZ3 fixed				LV848558
--	--	--	--	----------

MTZ2 08 to MTZ3 63 fixed circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

DB404314.eps	Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)
	1 additional block of 4 contacts (2 max.)	LV848198

"Fault trip" indication contacts (SDE)

DB424651.eps	Changeover contact (6 A - 240 V)	1 (standard)
	1 additional SDE (6 A - 240 V)	LV848200
	1 additional low-level SDE	LV848201

Programmable contacts (programmed via MicroLogic X control unit)

DB424652.eps	2 contacts M2C (5 A - 240 V)	LV847403
--------------	------------------------------	-----------------

IO contact

DB413669.ai	ESM module "ERMS Switch Module"	LV836301
-------------	---------------------------------	-----------------

Remote operation

"Ready to close" contact (1 max.)

DB424653.eps		PF
	1 changeover contact (5 A - 240 V)	LV847342
	1 low-level changeover contact	LV847343

Electrical closing pushbutton

DB424640.eps		BPFE
	1 pushbutton	LV848534

Remote reset after fault trip

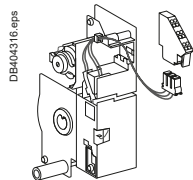
DB424651.eps	Electrical reset	RES
	100/130 V AC	LV848202
	200/240 V AC	LV848203
	Automatic reset	RAR
	Adaptation	LV847346

MTZ2 08 to MTZ3 63 fixed circuit breakers

Remote operation

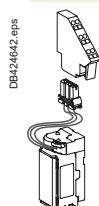
Remote ON/OFF

Gear motor



AC 50/60 Hz	48 V	MCH
		LV848207
DC	100/130 V	LV848211
	200/240 V	LV848212
	250/277 V	LV848213
	380/415 V	LV848214
	440/480 V	LV848215
	24/30 V	LV848206
	48/60 V	LV848207
	100/130 V	LV848208
	200/250 V	LV848209

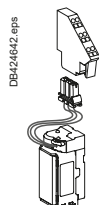
Instantaneous voltage releases



		Closing release	Opening release
Standard		XF	MX
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847350	LV847360
	48/60 V DC, 48 V AC	LV847351	LV847361
	100/130 V AC/DC	LV847352	LV847362
	200/250 V AC/DC	LV847353	LV847363
	277 V AC	LV847354	LV847364
	380/480 V AC	LV847355	LV847365
Diagnostics & Communicating		XF diag & com	MX diag & com
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847311	LV847321
	48/60 V DC, 48 V AC	LV847312	LV847322
	100/130 V AC/DC	LV847313	LV847323
	200/250 V AC/DC	LV847314	LV847324
	277 V AC	LV847315	LV847325
	380/480 V AC	LV847316	LV847326
Standard		Opening release	
AC 50/60 Hz	24/30 V DC, 24 V AC	MN	
	48/60 V DC, 48 V AC	LV847380	
	100/130 V AC/DC	LV847381	
	200/250 V AC/DC	LV847382	
	380/480 V AC	LV847383	
DC		LV847385	
Diagnostic		MN diag	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV836700	
	48/60 V DC, 48 V AC	LV836701	
	100/130 V AC/DC	LV836702	
	200/250 V AC/DC	LV836703	
	380/480 V AC	LV836704	

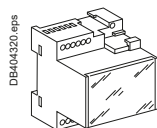
Remote tripping

Instantaneous voltage release



AC 50/60 Hz	48 V	2 nd MX
		LV847370
DC	100/130 V AC/DC	LV847371
	200/250 V AC/DC	LV847372
	277 V AC	LV847373
		LV847374
		LV847375

Retardateur MN



AC 50/60 Hz	48/60 V AC/DC	R (non-adjustable)	Rr (adjustable)
		LV833684SP	LV833681SP
DC	100/130 V AC/DC	LV833685SP	LV833682SP
	200/250 V AC/DC		LV833683SP
	380/480 V AC/DC		

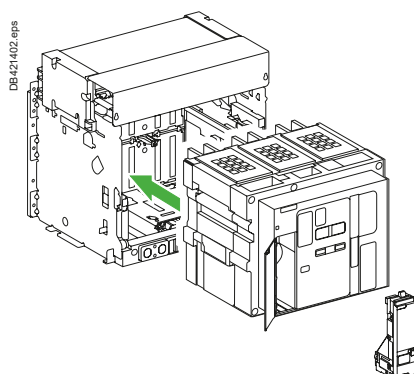
MTZ2 08 to MTZ3 63 drawout circuit breakers

Circuit breakers

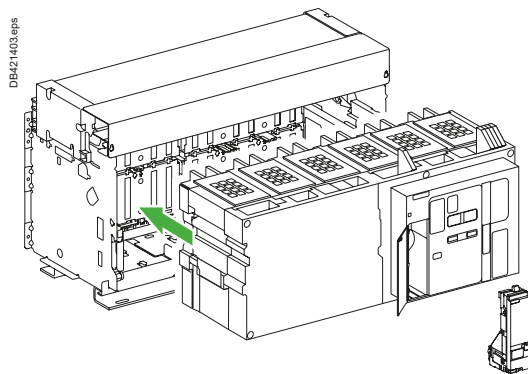
A MasterPacT drawout circuit breaker is described by minimum 5 catalog numbers corresponding to:

- the basic circuit breaker
- a control unit
- a chassis with standard terminal blocks
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker + chassis ≤ 4000 A



Basic circuit breaker + chassis ≥ 4000 A

[1] Select a 4P basic circuit breaker with neutral on the right page I-42.

All other catalog numbers are unchanged.

Basic circuit breaker

			3P	4P
Type N1				
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	42	LV848230	LV848237
MTZ2 10	1000	42	LV848244	LV848251
MTZ2 12	1250	42	LV848258	LV848265
MTZ2 16	1600	42	LV848272	LV848279
MTZ2 20	2000	42	LV848286	LV848293
Type H1				
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	66	LV848231	LV848238
MTZ2 10	1000	66	LV848245	LV848252
MTZ2 12	1250	66	LV848259	LV848266
MTZ2 16	1600	66	LV848273	LV848280
MTZ2 20	2000	66	LV848287	LV848294
MTZ2 25	2500	66	LV848300	LV848306
MTZ2 32	3200	66	LV848312	LV848317
MTZ2 40	4000	66	LV848322	LV848327
MTZ3 40	4000	100	LV848336	LV848339
MTZ3 50	5000	100	LV848342	LV848345
MTZ3 63	6300	100	LV848348	LV848351
Type H2				
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	100	LV848232	LV848239
MTZ2 10	1000	100	LV848246	LV848253
MTZ2 12	1250	100	LV848260	LV848267
MTZ2 16	1600	100	LV848274	LV848281
MTZ2 20	2000	100	LV848288	LV848295
MTZ2 25	2500	100	LV848301	LV848307
MTZ2 32	3200	100	LV848313	LV848318
MTZ2 40	4000	100	LV848323	LV848328
MTZ3 40	4000	150	LV848337	LV848340
MTZ3 50	5000	150	LV848343	LV848346
MTZ3 63	6300	150	LV848349	LV848352
Type H3				
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 20	2000	150	LV848289	LV848296
MTZ2 25	2500	150	LV848302	LV848308
MTZ2 32	3200	150	LV848314	LV848319
MTZ2 40	4000	150	LV848324	LV848329
Type L1				
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	150	LV848233	LV848240
MTZ2 10	1000	150	LV848247	LV848254
MTZ2 12	1250	150	LV848261	LV848268
MTZ2 16	1600	150	LV848275	LV848282
MTZ2 20	2000	150	LV848290	LV848297
Type H2V				
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	100	LV846170	LV846190
MTZ2 10	1000	100	LV846171	LV846191
MTZ2 12	1250	100	LV846172	LV846192
MTZ2 16	1600	100	LV846173	LV846193
MTZ2 20	2000	100	LV846174	LV846194
MTZ2 25	2500	100	LV846175	LV846195
MTZ2 32	3200	100	LV846176	LV846196
MTZ2 40	4000	100	LV846177	LV846197
Option				
Neutral on the right				[1]

MTZ2 08 to MTZ3 63 drawout circuit breakers

Circuit breakers

MicroLogic X control unit

"Class1 IEC 61557-12 certified power meter"		3P/4P
MicroLogic 2.0 X	basic protection	LV848498
MicroLogic 5.0 X	selective protection	LV848499
MicroLogic 6.0 X	selective + earth-fault protection	LV848500
MicroLogic 7.0 X ^[1]	selective + earth-leakage protection	LV848362

Digital modules option

	3P/4P
Energy per phase	LV850002
Waveform capture trip event	LV850003
Power restoration assistant	LV850004
MasterPacT operation assistant	LV850005
Individual harmonics analysis	LV850006
ANSI 51N/51G - Ground fault Alarm	LV850007
ANSI 51N/51G - IDMT Ground fault Protection	LV850038
ERMS - Energy Reducing Maintenance Settings	LV850009
ANSI 32P - Reverse active power protection	LV850011
ANSI 27/59 - Under/Over voltage protection	LV850012
ANSI 67 - Directional overcurrent	LV850015
ANSI 51 - IDMTL overcurrent protection	LV850037
ANSI 81 - Under/Over frequency protection	LV850013
Modbus legacy dataset	LV850045
IEC 61850 for MasterPacT MTZ	LV850046

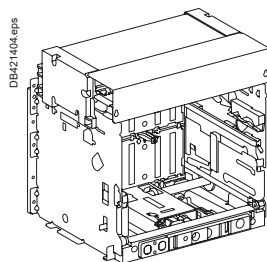
Grounding kit

Grounding kit for MasterPacT MTZ2/MTZ3 drawout	LV848559
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[1] Only for breaker up to 3200 A.

MTZ2 08 to MTZ3 63 drawout circuit breakers

Chassis



Chassis ≤ 4000 A

Chassis

	3P	4P
For type N1/H1		
800-1600 A	LV848392	LV848404
For type H2		
800-1600 A	LV848393	LV848405
For type N1/H1/H2/H2V		
2000 A	LV848393	LV848405
2500 A	LV848394	LV848406
3200 A	LV848395	LV848407
4000 A	LV848396	LV848408
For type H1/H2		
4000/6300 A	LV848397	LV848409
For type H3		
2000/2500 A	LV848394	LV848406
3200 A	LV848395	LV848407
4000 A	LV848396	LV848408
For type L1		
800/1600 A	LV848399	LV848411
2000 A	LV848400	LV848412

Chassis terminal blocks

Standard terminal blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below:

- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional terminal blocks

If the device is equipped with one or a combination of the following 5 additional accessories:

- SDE2/RES
- M2C/ESM
- PTE
- 1st additionnal 4 OF block
- 2nd additionnal 4 OF block

all the necessary chassis terminal blocks are coded by one of the part numbers below :

Chassis terminal blocks for 8 OF contacts	LV839471
Chassis terminal blocks for 4 OF contacts	LV839472
Chassis terminal block for PTE	LV839473
Chassis terminal blocks for PTE + 8 OF contacts	LV839474
Chassis terminal blocks for PTE + 4 OF contacts	LV839475
Chassis terminal block for SDE2/RES	LV839476
Chassis terminal blocks for SDE2/RES + 8 OF contacts	LV839477
Chassis terminal blocks for SDE2/RES + 4 OF contacts	LV839478
Chassis terminal blocks for PTE + SDE2/RES	LV839479
Chassis terminal blocks for PTE + SDE2/RES + 8 OF contacts	LV839480
Chassis terminal blocks for PTE + SDE2/RES + 4 OF contacts	LV839481
Chassis terminal block for M2C/ESM	LV839482
Chassis terminal blocks for M2C/ESM + 8 OF contacts	LV839483
Chassis terminal blocks for M2C/ESM + 4 OF contacts	LV839484
Chassis terminal blocks for PTE + M2C/ESM	LV839485
Chassis terminal blocks for PTE + M2C/ESM + 8 OF contacts	LV839486
Chassis terminal blocks for PTE + M2C/ESM + 4 OF contacts	LV839487
Chassis terminal blocks for SDE2/RES + M2C/ESM	LV839488
Chassis terminal blocks for SDE2/RES + M2C/ESM + 8 OF contacts	LV839489
Chassis terminal blocks for SDE2/RES + M2C/ESM + 4 OF contacts	LV839490
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM	LV839491
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 8 OF contacts	LV839492
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 4 OF contacts	LV839493

Ethernet communication option

	Chassis +	Circuit breaker (ULP)
ULP port	Standard	Standard
EIFE Embedded Ethernet interface for LV breaker	LV851200	
IFM Modbus interface	LV434000	
IFE Ethernet interface for LV breaker	LV434001	
Ethernet interface for LV breakers and gateway	LV434002	
I/O application module	LV434063	

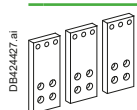
Auxiliaries and accessories:

- for drawout devices: see [page I-31](#)
 - for fixed or drawout devices: see [page I-35](#).
- Switch-disconnector version: see [page I-37](#).
- Source changeover assembly: see [page I-35](#).

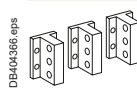
MTZ2 08 to MTZ3 63 drawout circuit breakers

Connections

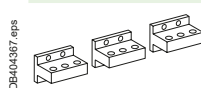
Chassis front connection

	800-1600 A	Top	3P	LV848415	4P	LV848441
		Bottom		LV848418		LV848444
	2000 A	Top		LV848413		LV848417
		Bottom		LV848414		LV848420
	2500/3200 A	Top		LV848416		LV848442
		Bottom		LV848419		LV848445

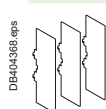
Chassis rear connection

			3P		4P
Vertical connection					
	800-2000 A	Top	LV848133		LV848158
	800-1600 A type L1	Bottom	LV848138		LV848163
	2500/3200 A	Top	LV848134		LV848159
	2000 A types H3/L1	Bottom	LV848139		LV848164
	4000 A	Top	LV848135		LV848160
		Bottom	LV848140		LV848165
	4000/5000 A (MTZ3)	Top	LV848136		LV848161
		Bottom	LV848141		LV848166
	6300 A (MTZ3)	Top	LV848137		LV848162
		Bottom	LV848142		LV848167

Horizontal connection

	800-2000 A	Top	LV848143		LV848168
	800-1600 A type L1	Bottom	LV848148		LV848173
	2500/3200 A	Top	LV848144		LV848169
	2000 A types H3/L1	Bottom	LV848149		LV848174
	4000 A	Top	LV848145		LV848170
		Bottom	LV848150		LV848175
	4000/5000 A	Top	LV848146		LV848171
		Bottom	LV848151		LV848176

Rear connection accessories

	Interphase barriers ^[1]			
	3P/4P (3 parts)			LV848600SP
	[1] The same kit covers the top and the bottom connections at the same time.			

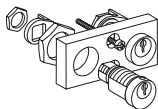
MTZ2 08 to MTZ3 63 drawout circuit breakers

Chassis locking and accessories

Chassis locking

"Disconnected" position locking

DB404325.eps



By padlocks

VCPO

Standard

By Profalux keylocks

Profalux

1 lock with 1 key + adaptation kit

LV848568

2 locks 1 key + adaptation kit

LV848569

2 locks 2 different keys + adaptation kit

LV848570

By Ronis keylocks

Ronis

1 lock with 1 key + adaptation kit

LV848572

2 locks 1 key + adaptation kit

LV848573

2 locks 2 different keys + adaptation kit

LV848574

Optional disconnected/test/connected position locking

LV833779

Adaptation kit

adaptation kit Profalux / Ronis

LV848564SP

(without keylock):

adaptation kit Kirk

LV848565SP

adaptation kit Castell

LV848566SP

Door interlock (1 part)

DB424654.eps



Right-hand side of chassis

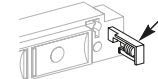
LV848579

Left-hand side of chassis

LV848580

Racking interlock

DB424655.eps



1 part

LV848582

Racking interlock between crank and OFF pushbutton

1 part

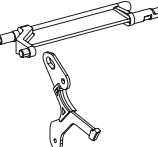
LV848585

Automatic spring discharge before breaker removal

1 part

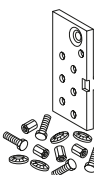
LV848554

DB424659.eps



Breaker mismatch protection

DB404329.eps



Breaker mismatch protection VDC

LV833767SP

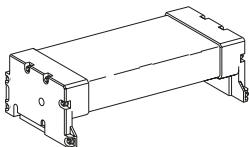
MTZ2 08 to MTZ3 63 drawout circuit breakers

Chassis locking and accessories

Chassis accessories

Arc chute cover

DB404330.eps

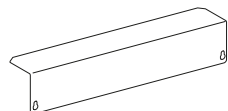


3P/4P

Standard

Auxiliary terminal shield (CB)

DB404331.eps



800/4000 A

3P

LV848595

4P

LV848596

4000/6300 A

3P

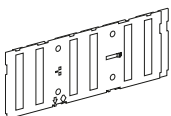
LV848597

4P

LV848598

Safety shutters + locking block

DB404332.eps



800/4000 A

3P

Standard

4P

Standard

4000/6300 A

3P

Standard

4P

Standard

Shutter locking block (for replacement)

DB404333.eps

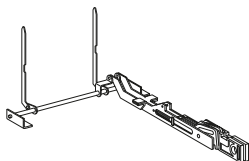


2 parts for 800/4000 A

LV848591SP

Front face shutter position indication and locking

DB404374.eps



800/4000 A

3P/4P

LV848592

4000/6300 A

3P

LV848693

4P

LV848694

MTZ2 08 to MTZ3 63 drawout circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

DB404321 eps		Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)
		1 additional block of 4 contacts (2 max.)	LV848468

Combined closed / connected contacts for use with 1 auxiliary contact

DB404322 eps		1 contact (5 A - 240 V) (8 max.)	LV848477
		or 1 low-level contact (8 max.)	LV848478

"Fault trip" indication contacts (SDE)

DB404323 eps		Changeover contact (6 A - 240 V)	1 (standard)
		1 additional SDE (6 A - 240 V)	LV848475
		or 1 additional low-level SDE	LV848476

Programmable contacts (programmed via MicroLogic X control unit)

DB424657 eps		2 contacts M2C (5 A - 240 V)	LV848382
--------------	--	------------------------------	----------

IO contact

DB433669 ai		ESM module "ERMS Switch Module"	LV836303
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Carriage switches (connected / disconnected / test position)

DB404324 eps		Changeover contacts (8 A - 240 V)	
		1 connected position contact (3 max.)	LV833751
		1 test position contact (3 max.)	LV833752
		1 disconnected position contact (3 max.)	LV833753
		and/or low-level changeover contacts	
		1 connected position contact (3 max.)	LV833754
		1 test position contact (3 max.)	LV833755
		1 disconnected position contact (3 max.)	LV833756
		Actuator for additional carriage switches	LV848560

Auxiliary terminals for chassis alone

		3 wire terminal (30 parts)	LV847898SP
		6 wire terminal (10 parts)	LV847899SP
		Jumpers (10 parts)	LV847900SP

Remote operation

"Ready to close" contact (1 max.)

DB404379 eps			PF
		1 changeover contact (5 A - 240 V)	LV848469
		1 low-level changeover contact	LV848470

Electrical closing pushbutton

DB424640 eps			BPFE
		1 pushbutton	LV848534

Remote reset after fault trip

		Electrical reset	RES
		100/130 V AC	LV848472
		200/240 V AC	LV848473
		Automatic reset	RAR
		Adaptation	LV847346

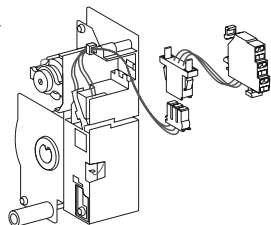
MTZ2 08 to MTZ3 63 drawout circuit breakers

Remote operation

Remote ON/OFF

Gear motor

DB424655.eps



AC 50/60 Hz

48 V

100/130 V

200/240 V

250/277 V

380/415 V

440/480 V

DC

24/30 V

48/60 V

100/130 V

200/250 V

MCH

LV848522

LV848526

LV848527

LV848528

LV848529

LV848530

LV848521

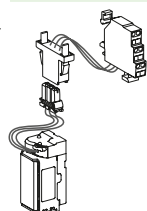
LV848522

LV848523

LV848524

Instantaneous voltage releases

DB424659.eps



Standard

AC 50/60 Hz

DC

24/30 V DC, 24 V AC

48/60 V DC, 48 V AC

100/130 V AC/DC

200/250 V AC/DC

277 V AC

380/480 V AC

Diagnostic & Communicating

AC 50/60 Hz

DC

24/30 V DC, 24 V AC

48/60 V DC, 48 V AC

100/130 V AC/DC

200/250 V AC/DC

277 V AC

380/480 V AC

Closing release

XF

LV848481

LV848482

LV848483

LV848484

LV848485

LV848486

XF diag & com

LV848449

LV848450

LV848451

LV848452

LV848453

LV848454

Opening release

MX

LV848491

LV848492

LV848493

LV848494

LV848495

LV848496

MX diag & com

LV848458

LV848459

LV848460

LV848461

LV848462

LV848463

Opening release

MN

LV848501

LV848502

LV848503

LV848504

LV848506

Standard

AC 50/60 Hz

DC

24/30 V DC, 24 V AC

48/60 V DC, 48 V AC

100/130 V AC/DC

200/250 V AC/DC

380/480 V AC

Diagnostic

AC 50/60 Hz

DC

24/30 V DC, 24 V AC

48/60 V DC, 48 V AC

100/130 V AC/DC

200/250 V AC/DC

380/480 V AC

MN diag

LV836705

LV836706

LV836707

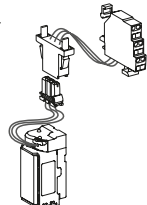
LV836708

LV836709

Remote tripping

Instantaneous voltage release

DB424659.eps



AC 50/60 Hz

DC

24/30 V DC, 24 V AC

48/60 V DC, 48 V AC

100/130 V AC/DC

200/250 V AC/DC

277 V AC

380/480 V AC

2nd MX

LV848511

LV848512

LV848513

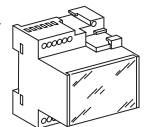
LV848514

LV848515

LV848516

MN delay unit

DB404320.eps



AC 50/60 Hz

DC

48/60 V AC/DC

100/130 V AC/DC

200/250 V AC/DC

380/480 V AC/DC

R (non-adjustable)

LV833684SP

LV833685SP

Rr (adjustable)

LV833680SP

LV833681SP

LV833682SP

LV833683SP

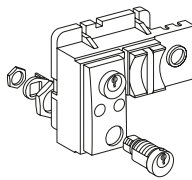
Accessories for MTZ2 08 to MTZ3 63 fixed and drawout circuit breakers

Circuit breaker locking

Pushbutton locking device

DB404337 eps		By padlocks	LV848536

OFF position locking

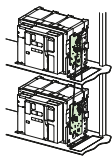
DB404338 eps		By padlocks	VCPO	LV848539
		By Profalux keylocks		
		Profalux	1 lock with 1 key + adaptation kit	LV848545
			2 locks 1 key + adaptation kit	LV848546
			2 locks 2 different keys + adaptation kit	LV848547
		By Ronis keylocks		
		Ronis	1 lock with 1 key + adaptation kit	LV848549
			2 locks 1 key + adaptation kit	LV848550
			2 locks 2 different keys + adaptation kit	LV848551
		Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV848541SP
			adaptation kit Kirk	LV848542SP
			adaptation kit Castell	LV848543SP

Cable-type door interlock

1 complete assembly for MasterPacT MTZ2/MTZ3 fixed or drawout device	LV848614SP
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Mechanical interlocking for source changeover

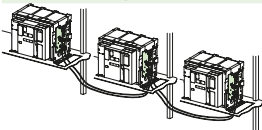
Interlocking of 2 devices using connecting rods

DB421405 eps		Complete assembly with 2 adaptation fixtures + rods	
		1 set of 2 adaptation fixtures for MasterPacT MTZ2 or MTZ3 fixed or drawout device	LV847930SP
		1 set of 2 interlocking rods	LV833210SP
		Note: Can be used with 1 MTZ2/3 fixed + 1 MTZ2/3 drawout.	

Interlocking of 2 devices using cables ^[1]

Choose 2 adaptation fixtures (1 for each device) + 1 set of cables	
1 adaptation fixture for MasterPacT MTZ2/3 fixed devices	LV847926SP
1 adaptation fixture for MasterPacT MTZ2/3 drawout devices	LV847926SP
1 set of 2 cables of 2.5 m	LV833209SP
[1] Can be used with any combination of MTZ, fixed or drawout devices.	

Interlocking of 3 devices using cables

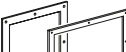
DB421407 eps		Choose 1 interlocking kit (including 3 adaptation fixtures + cables)	
		3 sources, only 1 device closed, fixed or drawout devices	LV848610SP
		2 sources + 1 coupling, fixed or drawout devices	LV848609SP
		2 normal + 1 replacement source, fixed or drawout devices	LV848608SP

Other circuit breaker accessories

Mechanical operation counter

DB125617 eps		Operation counter CDM	LV848535

Escutcheon and accessories

 DB421415 eps	 DB404340 eps	 DB404341 eps		Fixed	Drawout
			Escutcheon	LV848601SP	LV848603SP
			Transparent cover IP54		LV848604SP
			Escutcheon blanking plate	LV848605SP	LV848605SP
Escutcheon	Cover	Blanking plate			



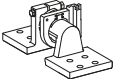
► For more informations see source-changeover systems catalog, LVPED216028EN.

Accessories for MTZ2 08 to MTZ3 63 fixed and drawout circuit breakers

Accessories for MicroLogic X control units

External sensors

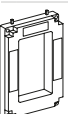
External sensor for earth-fault protection (TCE)

	Sensor rating	400/2000 A	LV834035SP
		1000/4000 A	LV834036SP
		4000/6300 A (MTZ3)	LV848182SP
	Single sensor kit	2000/6300 A	LV848904SP
	3 layer bus	2000 A	LV848905SP

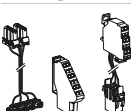
Rectangular sensor for earth-leakage protection

	280 mm x 115 mm	LV833573SP
	470 mm x 160 mm	LV833574SP

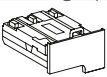
Source ground return (SGR) earth fault protection

	External sensor (SGR)	LV833579SP
	MDGF summing module	LV848891SP

Voltage measurement input (for breakers supplied via bottom terminals)

	Voltage measurement input	Fixed	LV847506
		Drawout	LV848533

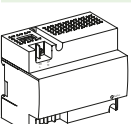
Voltage power supply module (VPS) for MicroLogic X

		LV850060
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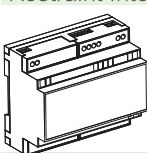
Zone Selective Interlocking option for MicroLogic X

ZSI	Standard
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External 24 V DC MicroLogic power supply

	24/30 V DC	LV454440
	48/60 V DC	LV454441
	100/125 V DC	LV454442
	110/130 V AC	LV454443
	200/240 V AC	LV454444

Restraint Interface Module - ZSI

	LV848892SP
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Test and commissioning equipment

USB Cable (miniUSB/USB) for MicroLogic X

	LV850067SP
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Mobile Powerpack for MicroLogic X (by APC)

	LV850055SP
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Special settings

Sensor rating to be specified when ordering

Rating	MTZ2 08	MTZ2 10	MTZ2 12	MTZ2 16	MTZ2 20	MTZ2 25	MTZ2 32
400	■	■					
630	■	■	■				
800		■	■	■			
1000			■				
1250				■			
1600					■		
2000						■	
2500							■
3200							■
Rating	MTZ2 40	MTZ3 40	MTZ3 50	MTZ3 63			
2000	■	■					
2500	■	■	■				
3200	■	■	■	■			
4000			■	■			
5000				■			
6300							

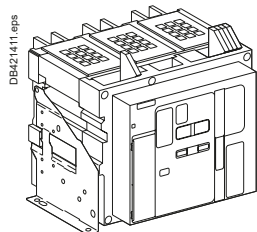
MTZ2 08 to MTZ3 63 fixed switch-disconnectors

Switch-disconnectors

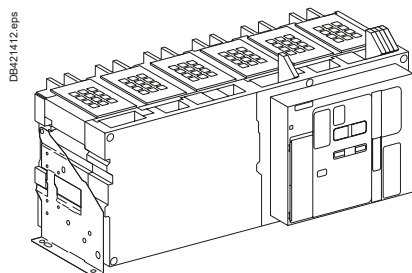
A MasterPacT fixed switch-disconnector is described by 3 catalog numbers corresponding to:

- the basic switch-disconnector
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector ≤ 4000 A.



Basic switch-disconnector ≥ 4000 A.

Basic switch-disconnector

Type NA				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ2 08	800	88	LV848004	LV848011
MTZ2 10	1000	88	LV848018	LV848025
MTZ2 12	1250	88	LV848032	LV848039
MTZ2 16	1600	88	LV848046	LV848053

Type HA				
			3P	4P
	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)		
MTZ2 08	800	145	LV848005	LV848012
MTZ2 10	1000	145	LV848019	LV848026
MTZ2 12	1250	145	LV848033	LV848040
MTZ2 16	1600	145	LV848047	LV848054
MTZ2 20	2000	145	LV848061	LV848068
MTZ2 25	2500	145	LV848074	LV848080
MTZ2 32	3200	145	LV848085	LV848090
MTZ2 40	4000	145	LV848095	LV848100
MTZ3 40	4000	187	LV848108	LV848111
MTZ3 50	5000	187	LV848114	LV848117
MTZ3 63	6300	187	LV848120	LV848123

Type HF				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ2 08	800	187	LV848006	LV848013
MTZ2 10	1000	187	LV848020	LV848027
MTZ2 12	1250	187	LV848034	LV848041
MTZ2 16	1600	187	LV848048	LV848055
MTZ2 20	2000	187	LV848062	LV848069
MTZ2 25	2500	187	LV848075	LV848081
MTZ2 32	3200	187	LV848086	LV848091
MTZ2 40	4000	187	LV848096	LV848101

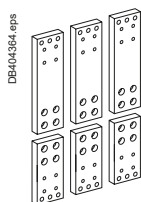
Type HH				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/440 V)				
MTZ2 20	2000	220	LV846310	LV846311
MTZ2 25	2500	220	LV846312	LV846313
MTZ2 32	3200	220	LV846314	LV846315
MTZ2 40	4000	220	LV846316	LV846317

Type HH with right neutral			
			4P
	In (A at 40 °C)	Icm (kA peak for U = 220/440 V)	
MTZ2 20	2000	220	LV846342
MTZ2 25	2500	220	LV846343
MTZ2 32	3200	220	LV846344
MTZ2 40	4000	220	LV846345

MTZ2 08 to MTZ3 63 fixed switch-disconnectors

Connections

Front connection



	800-1600 A	Top	3P	LV848128	4P	LV848153
		Bottom		LV848130		LV848155
	2000 A	Top		LV848124		LV848126
		Bottom		LV848125		LV848127
	2500-3200 A	Top		LV848129		LV848154
		Bottom		LV848131		LV848156

Front connection accessories

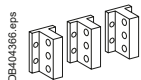


Disconnectable front connection

			3P		4P	
	1600 A			LV848421SP		LV848424SP
	2000/3200 A			LV848422SP		LV848425SP

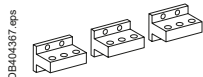
Rear connection

Vertical connection



	800-2000 A	Top	3P	LV848133	4P	LV848158
		Bottom		LV848138		LV848163
	2500-3200 A	Top		LV848134		LV848159
		Bottom		LV848139		LV848164
	4000 A	Top		LV848135		LV848160
		Bottom		LV848140		LV848165
	4000/5000 A	Top		LV848136		LV848161
		Bottom		LV848141		LV848166
	6300 A	Top		LV848137		LV848162
		Bottom		LV848142		LV848167

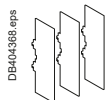
Horizontal connection



	800-2000 A	Top	3P	LV848143	4P	LV848168
		Bottom		LV848148		LV848173
	2500-3200 A	Top		LV848144		LV848169
		Bottom		LV848149		LV848174
	4000 A	Top		LV848145		LV848170
		Bottom		LV848150		LV848175
	4000/5000 A	Top		LV848146		LV848171
		Bottom		LV848151		LV848176

Rear connection accessories

Interphase barriers ^[1]



	3P/4P (3 parts)	LV848599SP
[1] The same kit covers the top and the bottom connections at the same time.		

Brackets for mounting on a backplate



	2 parts	LV847829
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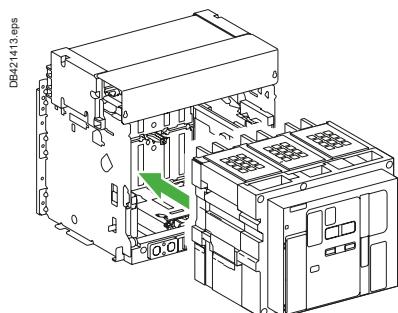
MTZ2 08 to MTZ3 63 drawout switch-disconnectors

Switch-disconnectors

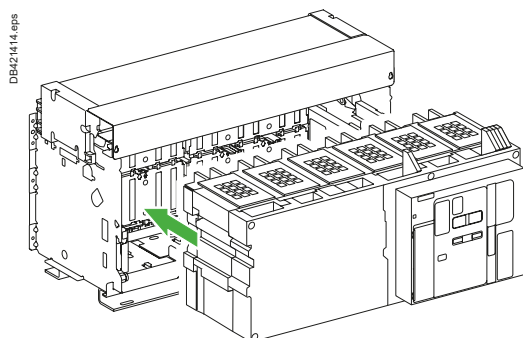
A MasterPacT drawout switch-disconnector is described by minimum 4 catalog numbers corresponding to:

- the basic switch-disconnector
- a chassis with standard terminal blocks
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector + chassis ≤ 4000 A.



Basic switch-disconnector + chassis ≥ 4000 A.

Basic switch-disconnector

Type NA				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ2 08	800	88	LV848234	LV848241
MTZ2 10	1000	88	LV848248	LV848255
MTZ2 12	1250	88	LV848262	LV848269
MTZ2 16	1600	88	LV848276	LV848283

Type HA				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ2 08	800	145	LV848235	LV848242
MTZ2 10	1000	145	LV848249	LV848256
MTZ2 12	1250	145	LV848263	LV848270
MTZ2 16	1600	145	LV848277	LV848284
MTZ2 20	2000	145	LV848291	LV848298
MTZ2 25	2500	145	LV848304	LV848310
MTZ2 32	3200	145	LV848315	LV848320
MTZ2 40	4000	145	LV848325	LV848330
MTZ3 40	4000	187	LV848338	LV848341
MTZ3 50	5000	187	LV848344	LV848347
MTZ3 63	6300	187	LV848350	LV848353

Type HF				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ2 08	800	187	LV848236	LV848243
MTZ2 10	1000	187	LV848250	LV848257
MTZ2 12	1250	187	LV848264	LV848271
MTZ2 16	1600	187	LV848278	LV848285
MTZ2 20	2000	187	LV848292	LV848299
MTZ2 25	2500	187	LV848305	LV848311
MTZ2 32	3200	187	LV848316	LV848321
MTZ2 40	4000	187	LV848326	LV848331

Type HH				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/440 V)				
MTZ2 20	2000	220	LV846318	LV846319
MTZ2 25	2500	220	LV846320	LV846321
MTZ2 32	3200	220	LV846322	LV846323
MTZ2 40	4000	220	LV846324	LV846325

Type HH with right neutral			
			4P
	In (A at 40 °C)	lcm (kA peak for U = 220/440 V)	
MTZ2 20	2000	220	LV846346
MTZ2 25	2500	220	LV846347
MTZ2 32	3200	220	LV846348
MTZ2 40	4000	220	LV846349

Chassis

Type NA/HA			
		3P	4P
800-1600 A		LV848392	LV848404
Type HF			
		3P	4P
800-1600 A		LV848393	LV848405
Type HA/HF/HH			
		3P	4P
2000 A		LV848393	LV848405
2500 A		LV848394	LV848406
3200 A		LV848395	LV848407
4000 A		LV848396	LV848408
Type HA			
4000/6300 A (MTZ3)		LV848397	LV848409

MTZ2 08 to MTZ3 63 drawout switch-disconnectors

Switch-disconnectors

Chassis terminal blocks

Standard terminal blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below:

- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH

Additional terminal blocks

If the device is equipped with one or a combination of the following 5 additional accessories:

- SDE2/RES
- M2C/ESM
- PTE
- 1st additional 4 OF block
- 2nd additional 4 OF block

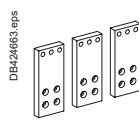
all the necessary chassis terminal blocks are coded by one of the part numbers below :

Chassis terminal blocks for 8 OF contacts	LV839471
Chassis terminal blocks for 4 OF contacts	LV839472
Chassis terminal block for PTE	LV839473
Chassis terminal blocks for PTE + 8 OF contacts	LV839474
Chassis terminal blocks for PTE + 4 OF contacts	LV839475
Chassis terminal block for SDE2/RES	LV839476
Chassis terminal blocks for SDE2/RES + 8 OF contacts	LV839477
Chassis terminal blocks for SDE2/RES + 4 OF contacts	LV839478
Chassis terminal blocks for PTE + SDE2/RES	LV839479
Chassis terminal blocks for PTE + SDE2/RES + 8 OF contacts	LV839480
Chassis terminal blocks for PTE + SDE2/RES + 4 OF contacts	LV839481
Chassis terminal block for M2C/ESM	LV839482
Chassis terminal blocks for M2C/ESM + 8 OF contacts	LV839483
Chassis terminal blocks for M2C/ESM + 4 OF contacts	LV839484
Chassis terminal blocks for PTE + M2C/ESM	LV839485
Chassis terminal blocks for PTE + M2C/ESM + 8 OF contacts	LV839486
Chassis terminal blocks for PTE + M2C/ESM + 4 OF contacts	LV839487
Chassis terminal blocks for SDE2/RES + M2C/ESM	LV839488
Chassis terminal blocks for SDE2/RES + M2C/ESM + 8 OF contacts	LV839489
Chassis terminal blocks for SDE2/RES + M2C/ESM + 4 OF contacts	LV839490
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM	LV839491
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 8 OF contacts	LV839492
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 4 OF contacts	LV839493

MTZ2 08 to MTZ3 63 drawout switch-disconnectors

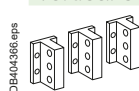
Connections

Chassis front connection

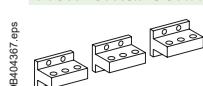
	800-1600 A	Top	3P	LV848415	4P	LV848441
		Bottom		LV848418		LV848444
	2000 A	Top		LV848413		LV848417
		Bottom		LV848414		LV848420
	2500/3200 A	Top		LV848416		LV848442
		Bottom		LV848419		LV848445

Chassis rear connection

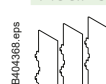
Vertical connection

	800-2000 A	Top	3P	LV848133	4P	LV848158
		Bottom		LV848138		LV848163
	2500/3200 A	Top		LV848134		LV848159
		Bottom		LV848139		LV848164
	4000 A	Top		LV848135		LV848160
		Bottom		LV848140		LV848165
	4000/5000 A	Top		LV848136		LV848161
		Bottom		LV848141		LV848166
	6300 A	Top		LV848137		LV848162
		Bottom		LV848142		LV848167

Horizontal connection

	800-2000 A	Top	3P	LV848143	4P	LV848168
		Bottom		LV848148		LV848173
	2500/3200 A	Top		LV848144		LV848169
		Bottom		LV848149		LV848174
	4000 A	Top		LV848145		LV848170
		Bottom		LV848150		LV848175
	4000/5000 A	Top		LV848146		LV848171
		Bottom		LV848151		LV848176

Rear connection accessories

	Interphase barriers ^[1]	
	3P/4P (3 parts)	LV848600SP
	[1] The same kit covers the top and the bottom connections at the same time.	

Order your Circuit Breaker

MTZ2 08 to MTZ3 63 circuit breakers

with neutral on the right

Fixed circuit breakers

A 4 pole MasterPacT circuit breaker with neutral on the right is described by the same catalog numbers as a standard 4 pole one, except for the basic circuit breaker, which is specific.

Fixed circuit breakers with neutral on the right

Type H1			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	66	LV848183
MTZ2 10	1000	66	LV848184
MTZ2 12	1250	66	LV848185
MTZ2 16	1600	66	LV848186
MTZ2 20	2000	66	LV848060
MTZ2 25	2500	66	LV848073
MTZ2 32	3200	66	LV848187
MTZ2 40	4000	66	LV848193
MTZ3 40	4000	100	LV848194
MTZ3 50	5000	100	LV848195
MTZ3 63	6300	100	LV848196
Type H2			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	100	LV848177
MTZ2 10	1000	100	LV848178
MTZ2 12	1250	100	LV848179
MTZ2 16	1600	100	LV848180
MTZ2 20	2000	100	LV848067
MTZ2 25	2500	100	LV848079
MTZ2 32	3200	100	LV848181
MTZ2 40	4000	100	LV848102
MTZ3 40	4000	150	LV848103
MTZ3 50	5000	150	LV848104
MTZ3 63	6300	150	LV848105
Type H2V			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	100	LV846200
MTZ2 10	1000	100	LV846201
MTZ2 12	1250	100	LV846202
MTZ2 16	1600	100	LV846203
MTZ2 20	2000	100	LV846204
MTZ2 25	2500	100	LV846205
MTZ2 32	3200	100	LV846206
MTZ2 40	4000	100	LV846207

MTZ2 08 to MTZ3 63 circuit breakers with neutral on the right Drawout circuit breakers

A 4 pole MasterPacT circuit breaker with neutral on the right is described by the same catalog numbers as a standard 4 pole one, except for the basic circuit breaker, which is specific.

Drawout circuit breakers with neutral on the right

Type H1			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	66	LV848226
MTZ2 10	1000	66	LV848227
MTZ2 12	1250	66	LV848228
MTZ2 16	1600	66	LV848229
MTZ2 20	2000	66	LV848436
MTZ2 25	2500	66	LV848303
MTZ2 32	3200	66	LV848437
MTZ2 40	4000	66	LV848332
MTZ3 40	4000	100	LV848333
MTZ3 50	5000	100	LV848334
MTZ3 63	6300	100	LV848335
Type H2			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	100	LV848426
MTZ2 10	1000	100	LV848427
MTZ2 12	1250	100	LV848428
MTZ2 16	1600	100	LV848429
MTZ2 20	2000	100	LV848438
MTZ2 25	2500	100	LV848309
MTZ2 32	3200	100	LV848439
MTZ2 40	4000	100	LV848354
MTZ3 40	4000	150	LV848355
MTZ3 50	5000	150	LV848356
MTZ3 63	6300	150	LV848357
Type H2V			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	100	LV846210
MTZ2 10	1000	100	LV846211
MTZ2 12	1250	100	LV846212
MTZ2 16	1600	100	LV846213
MTZ2 20	2000	100	LV846214
MTZ2 25	2500	100	LV846215
MTZ2 32	3200	100	LV846216
MTZ2 40	4000	100	LV846217

Order your Circuit Breaker

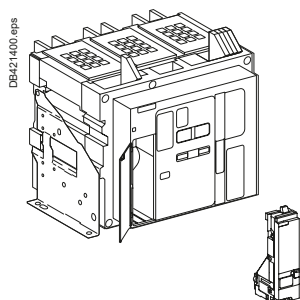
MTZ2 08 to MTZ2 40 - 1150 V AC

Fixed circuit-breakers

A MasterPacT 1150 V AC fixed circuit breaker is described by 4 catalog numbers corresponding to:

- the basic circuit breaker
- a control unit
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.

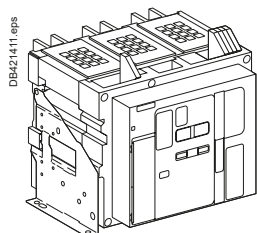


Basic circuit breaker ≤ 4000 A.

A MasterPacT 1150 V AC fixed switch-disconnector is described by 3 catalog numbers corresponding to:

- the basic switch-disconnector
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector ≤ 4000 A.

Basic circuit breaker

Type H10

			3P	4P
	In (A at 40 °C)	Icm (kA peak for U = 1150 V) - Ics = 100 % Icu		
MTZ2 08	800	50	LV846540	LV846550
MTZ2 10	1000	50	LV846541	LV846551
MTZ2 12	1250	50	LV846542	LV846552
MTZ2 16	1600	50	LV846543	LV846553
MTZ2 20	2000	50	LV846544	LV846554
MTZ2 25	2500	50	LV846545	LV846555
MTZ2 32	3200	50	LV846546	LV846556
MTZ2 40	4000	50	LV846547	LV846557

Note: the use of the interphase barriers LV848599SP is compulsory with the MTZ2 H10 fixed version circuit-breakers.

Front connections are not allowed.

MicroLogic X control unit

"Class1 IEC 61557-12 certified power meter"

		3P/4P
MicroLogic 2.0 X	basic protection	LV847280
MicroLogic 5.0 X	selective protection	LV847283
MicroLogic 6.0 X	selective + earth-fault protection	LV847288
MicroLogic 7.0 X ^[1]	selective + earth-leakage protection	LV847287

Digital modules option

	3P/4P
Energy per phase	LV850002
Waveform capture trip event	LV850003
Power restoration assistant	LV850004
MasterPacT operation assistant	LV850005
Individual harmonics analysis	LV850006
ANSI 51N/51G - Ground fault Alarm	LV850007
ANSI 51N/51G - IDMT Ground fault Protection	LV850038
ERMS - Energy Reducing Maintenance Settings	LV850009
ANSI 32P - Reverse active power protection	LV850011
ANSI 27/59 - Under/Over voltage protection	LV850012
ANSI 67 - Directional overcurrent	LV850015
ANSI 51 - IDMTL overcurrent protection	LV850037
ANSI 81 - Under/Over frequency protection	LV850013
Modbus legacy dataset	LV850045
IEC 61850 for MasterPacT MTZ	LV850046

Basic switch-disconnector

Type HA10

			3P	4P
	In (A at 40 °C)	Icm (kA peak for U = 1150 V)		
MTZ2 08	800	105	LV847260	LV847270
MTZ2 10	1000	105	LV847261	LV847271
MTZ2 12	1250	105	LV847262	LV847272
MTZ2 16	1600	105	LV847263	LV847273
MTZ2 20	2000	105	LV847264	LV847274
MTZ2 25	2500	105	LV847265	LV847275
MTZ2 32	3200	105	LV847266	LV847276
MTZ2 40	4000	105	LV847267	LV847277

Note: the use of the interphase barriers LV848599SP is compulsory with the MTZ2 HA10 fixed version switch-disconnectors.

Front connections are not allowed.

[1] Only for breaker up to 3200A

Auxiliaries and accessories:

for fixed devices: see [page I-35](#).

for fixed or drawout devices: see [page I-35](#).

Switch-disconnector version: see [page I-37](#).

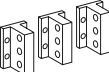
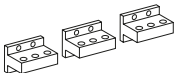
Source changeover assembly: see [page I-35](#).

MTZ2 08 to MTZ3 40 - 1150 V AC

Fixed switch-disconnectors

Connections

Rear connection

			3P	4P
Vertical connection				
	800-2000 A	Top	LV848133	LV848158
		Bottom	LV848138	LV848163
	2500/3200 A	Top	LV848134	LV848159
		Bottom	LV848139	LV848164
	4000 A	Top	LV848135	LV848160
		Bottom	LV848140	LV848165
Horizontal connection				
	800-2000 A	Top	LV848143	LV848168
		Bottom	LV848148	LV848173
	2500/3200 A	Top	LV848144	LV848169
		Bottom	LV848149	LV848174
Rear connection accessories				
	Interphase barriers ^[1]			
	3P/4P (3 parts)		LV848599SP	
	[1] The same kit covers the top and the bottom connections at the same time.			

Order your Circuit Breaker

MTZ2 08 to MTZ2 40 - 1150 V AC

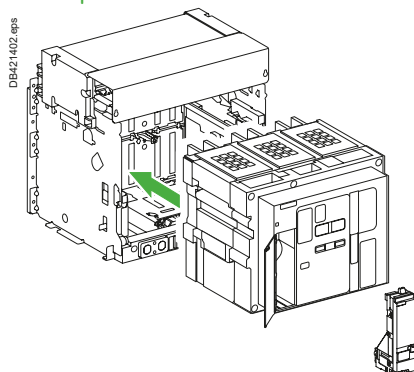
Drawout circuit breakers and switch-disconnectors

A MasterPacT 1150 V AC drawout circuit breaker is described by 5 catalog numbers corresponding to:

- the basic circuit breaker
- a control unit
- a chassis
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.

For all MTZ2 H10 draw-out up to 3200 A, the utilization of interphase barriers is recommended. For MTZ2 40 H10 draw-out, only vertical terminals can be used. Interphase barriers are recommended.



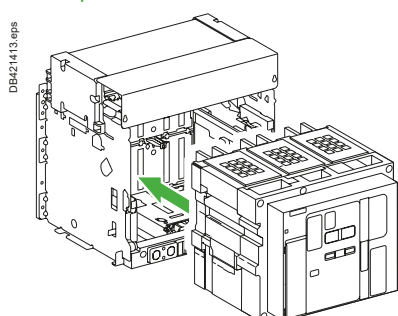
Basic circuit breaker + chassis ≤ 4000 A

A MasterPacT 1150 V AC drawout switch-disconnector is described by 4 catalog numbers corresponding to:

- the basic switch-disconnector
- a chassis
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.

For all MTZ2 HA10 draw-out up to 3200 A, the utilization of interphase barriers is recommended. For MTZ2 40 HA10 draw-out, only vertical terminals can be used. Interphase barriers are recommended.



Basic switch-disconnector + chassis ≤ 4000 A

Basic circuit breaker

Type H10			3P	4P
	In (A at 40°C)	Icu (kA for U = 1150 V) - Ics = 100 % Icu		
MTZ2 08	800	50	LV848725	LV848735
MTZ2 10	1000	50	LV848726	LV848736
MTZ2 12	1250	50	LV848727	LV848737
MTZ2 16	1600	50	LV848728	LV848738
MTZ2 20	2000	50	LV848729	LV848739
MTZ2 25	2500	50	LV848730	LV848740
MTZ2 32	3200	50	LV848731	LV848741
MTZ2 40	4000	50	LV848732	LV848742

Note: front connections are not allowed.

MicroLogic X control unit

"Class1 IEC 61557-12 certified power meter"			3P/4P
MicroLogic 2.0 X	basic protection		LV848498
MicroLogic 5.0 X	selective protection		LV848499
MicroLogic 6.0 X	selective + earth-fault protection		LV848500

Digital modules option

	3P/4P
Energy per phase	LV850002
Waveform capture trip event	LV850003
Power restoration assistant	LV850004
MasterPacT operation assistant	LV850005
Individual harmonics analysis	LV850006
ANSI 51N/51G - Ground fault Alarm	LV850007
ERMS - Energy Reducing Maintenance Settings	LV850009
ANSI 32P - Reverse active power protection	LV850011
ANSI 27/59 - Under/Over voltage protection	LV850012
ANSI 67 - Directional overcurrent	LV850015
ANSI 51 - IDMTL overcurrent protection	LV850037
ANSI 81 - Under/Over frequency protection	LV850013
Modbus legacy dataset	LV850045
IEC 61850 for MasterPacT MTZ	LV850046

Basic switch-disconnector

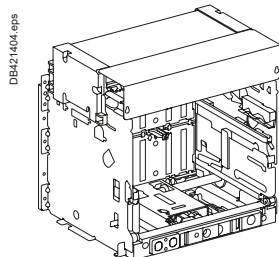
Type HA10			3P	4P
	In (A at 40°C)	Icm (kA peak for U = 1150 V)		
MTZ2 08	800	105	LV848745	LV848755
MTZ2 10	1000	105	LV848746	LV848756
MTZ2 12	1250	105	LV848747	LV848757
MTZ2 16	1600	105	LV848748	LV848758
MTZ2 20	2000	105	LV848749	LV848759
MTZ2 25	2500	105	LV848750	LV848760
MTZ2 32	3200	105	LV848751	LV848761
MTZ2 40	4000	105	LV848752	LV848762

Note: front connections are not allowed.

MTZ2 08 to MTZ2 40 - 1150 V AC

Drawout circuit breakers and switch-disconnectors

Chassis and connections



Chassis

	3P	4P
For type H10 and HA10		
800-1600 A	LV848392	LV848404
2000 A	LV848393	LV848405
2500 A	LV848394	LV848406
3200 A	LV848395	LV848407
4000 A	LV848396	LV848408

Chassis terminal blocks

Standard terminal blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below:

- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional terminal blocks

If the device is equipped with one or a combination of the following 5 additional accessories:

- SDE2/RES
- M2C/ESM
- PTE
- 1st additional 4 OF block
- 2nd additional 4 OF block

all the necessary chassis terminal blocks are coded by one of the part numbers below :

Chassis terminal blocks for 8 OF contacts	LV839471
Chassis terminal blocks for 4 OF contacts	LV839472
Chassis terminal block for PTE	LV839473
Chassis terminal blocks for PTE + 8 OF contacts	LV839474
Chassis terminal blocks for PTE + 4 OF contacts	LV839475
Chassis terminal block for SDE2/RES	LV839476
Chassis terminal blocks for SDE2/RES + 8 OF contacts	LV839477
Chassis terminal blocks for SDE2/RES + 4 OF contacts	LV839478
Chassis terminal blocks for PTE + SDE2/RES	LV839479
Chassis terminal blocks for PTE + SDE2/RES + 8 OF contacts	LV839480
Chassis terminal blocks for PTE + SDE2/RES + 4 OF contacts	LV839481
Chassis terminal block for M2C/ESM	LV839482
Chassis terminal blocks for M2C/ESM + 8 OF contacts	LV839483
Chassis terminal blocks for M2C/ESM + 4 OF contacts	LV839484
Chassis terminal blocks for PTE + M2C/ESM	LV839485
Chassis terminal blocks for PTE + M2C/ESM + 8 OF contacts	LV839486
Chassis terminal blocks for PTE + M2C/ESM + 4 OF contacts	LV839487
Chassis terminal blocks for SDE2/RES + M2C/ESM	LV839488
Chassis terminal blocks for SDE2/RES + M2C/ESM + 8 OF contacts	LV839489
Chassis terminal blocks for SDE2/RES + M2C/ESM + 4 OF contacts	LV839490
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM	LV839491
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 8 OF contacts	LV839492
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 4 OF contacts	LV839493

MTZ2 08 to MTZ2 40 - 1150 V AC

Drawout circuit breakers and switch-disconnectors

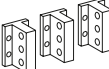
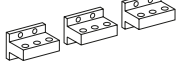
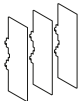
Chassis and connections

Communication option ^[1]

ULP port	Standard
EIFE Embedded Ethernet interface for LV breaker	LV851200
IFM Modbus interface	LV434000
IFE Ethernet interface for LV breaker	LV434001
Ethernet interface for LV breakers and gateway	LV434002
I/O application module	LV434063

^[1] Only for circuit breaker, no available for switch-disconnector.

Chassis rear connection

Chassis rear connection			3P	4P
Vertical connection				
 DB404366 eps	800-2000 A	Top	LV848133	LV848158
		Bottom	LV848138	LV848163
	2500/3200 A	Top	LV848134	LV848159
		Bottom	LV848139	LV848164
	4000 A	Top	LV848135	LV848160
		Bottom	LV848140	LV848165
Horizontal connection				
 DB404367 eps	800-2000 A	Top	LV848143	LV848168
		Bottom	LV848148	LV848173
	2500/3200 A	Top	LV848144	LV848169
		Bottom	LV848149	LV848174
	4000 A	Top	LV848145	LV848170
		Bottom	LV848150	LV848175
Rear connection accessories				
 DB404368 eps	Interphase barriers ^[1]			
	3P/4P (3 parts)		LV848600SP	
	^[1] The same kit covers the top and the bottom connections on the same time.			

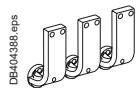
MasterPacT MTZ1

Connection

Connection

Fixed circuit breakers

Front connection / Replacement kit (3 or 4 parts)

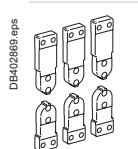
	Top or bottom	630-1600 A	LV847069SP	LV847070SP

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

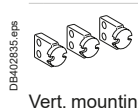
	Vert. mounting.		Horiz. mounting.	630-1600 A	LV833584SP	LV833585SP

Drawout circuit breakers

Front connection / Replacement kit (6 or 8 parts)

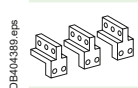
	Top and bottom	630-1600 A	LV833588SP	LV833589SP

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

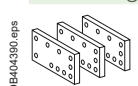
	Vert. mounting.		Horiz. mounting.	630-1600 A	LV833586SP	LV833587SP

Connection accessories

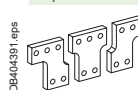
Vertical connection adapters 630-1600 A / Replacement kit (3 or 4 parts)

	For fixed and drawout front-connected circuit breakers	LV833642SP	LV833643SP

Cable lug adapters 630-1600 A / Replacement kit (3 or 4 parts)

	For fixed and drawout front-connected circuit breakers	LV833644SP	LV833645SP
	Threaded rod + spacers for securing the cable lug adapters	04691	04691

Spreaders / Replacement kit 630-1600 A (3 or 4 parts)

	For fixed and drawout front and rear-connected circuit breakers	LV833622SP	LV833623SP

Interphase barriers / Replacement kit (3 or 4 parts)

	For fixed front and rear-connected circuit breakers ^[1]	LV833648SP	LV833648SP
	For drawout rear-connected circuit breakers ^[2]	LV833768SP	LV833768SP

Arc chute screen (1 part)

	For fixed front-connected circuit breakers	LV847335SP	LV847336SP

[1] Take 2 kits: 1 for the top, 1 for the bottom connections.

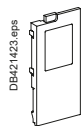
[2] The same kit covers the top and the bottom connections at the same time.

MasterPacT MTZ1

MicroLogic X control unit, communication option, accessories

Replacement parts for MicroLogic X control units

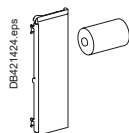
MicroLogic X embedded display (EHMI)



MicroLogic X embedded display & wireless card

LV850054SP

MicroLogic X Battery + Transparent cover



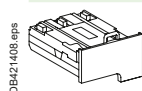
Battery (1 part)

LV833593SP

Transparent Cover (1 part) For MicroLogic X

LV850053SP

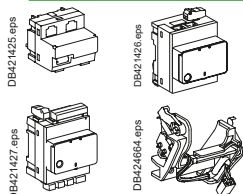
Voltage power supply module (VPS) for MicroLogic X



Voltage power supply module (VPS) for MicroLogic X

LV850060SP

Communication option



EIFE Embedded Ethernet interface for LV breaker

LV851100SP

IFM Modbus interface

LV434000

IFE Ethernet interface LV breaker

LV434001

Ethernet interface for LV breakers and gateway

LV434002

I/O application module

LV434063

Microswitches for MTZ1

LV847906SP

Accessories

External sensors

External sensor for earth-fault protection (TCE) / 1 part



Sensor rating 400/1600 A

LV833576SP

Source ground return (SGR) earth-fault protection / 1 part



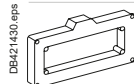
External sensor (SGR)

LV833579SP

MDGF summing module

LV848891SP

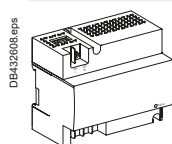
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part (up to 3200 A)



280 mm x 115 mm

LV833573SP

External 24 V DC MicroLogic power supply / 1 part



24-30 V DC

LV454440

48-60 V DC

LV454441

100-125 V DC

LV454442

110-130 V AC

LV454443

200-240 V AC

LV454444

USB Cable (miniUSB/USB) for MicroLogic X / 1 part



USB Cable (miniUSB/USB) for MicroLogic X / 1 part

LV850067SP

Mobile Powerpack for MicroLogic X (by APC) / 1 part



Mobile Powerpack for MicroLogic X (by APC) / 1 part

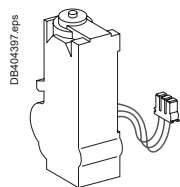
LV850055SP

MasterPacT MTZ1

Remote operation

Remote operation

Gear motor



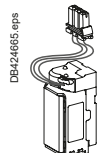
Fixed.

Drawout.

MCH (1 part)

AC 50/60 Hz	48 V	LV833186SP
	100/130 V	LV833176SP
	200/240 V	LV833177SP
	277/415 V	LV833179SP
	440/480 V	LV833179SP
	+ resistor	LV833193SP
DC	24/30 V	LV833185SP
	48/60 V	LV833186SP
	100/130 V	LV833187SP
	200/250 V	LV833188SP
Terminal block (1 part)	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV833098SP

Closing and opening release (XF or MX)



Fixed.

Drawout.

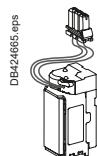
Standard coil (1 part)

AC 50/60 Hz	24/30 V DC, 24 V AC	LV833659SP
	48/60 V DC, 48 V AC	LV833660SP
DC	100/130 V AC/DC	LV833661SP
	200/250 V AC/DC	LV833662SP
	277 V AC	LV833663SP
	380/480 V AC	LV833664SP

Diagnostics & Communicating coil (1 part)

AC 50/60 Hz	24/30 V DC, 24 V AC	LV833033SP
	48/60 V DC, 48 V AC	LV833034SP
DC	100/130 V AC/DC	LV833035SP
	200/250 V AC/DC	LV833036SP
	277 V AC	LV833037SP
	380/480 V AC	LV833038SP
	Wiring kit for diag & com coil	LV833118SP
Terminal block (1 part)	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV833098SP

Undervoltage release MN



Fixed.

Drawout.

Undervoltage release (1 part)

AC 50/60 Hz	24/30 V DC, 24 V AC	LV833668SP
	48/60 V DC, 48 V AC	LV833669SP
DC	100/130 V AC/DC	LV833670SP
	200/250 V AC/DC	LV833671SP
	380/480 V AC	LV833673SP

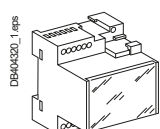
Diagnostics coil (1 part)

AC 50/60 Hz	24/30 V DC, 24 V AC	LV833668SP
	48/60 V DC, 48 V AC	LV833669SP
DC	100/130 V AC/DC	LV833670SP
	200/250 V AC/DC	LV833671SP
	380/480 V AC	LV833673SP
	Wiring kit for diag & com coil	LV833118SP
Terminal block (1 part)	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV833098SP

Voltage releases securing fixture

Voltage releases securing fixture for MX/XF/MN	LV847093SP
--	------------

MN delay unit



MN delay unit (1 part)

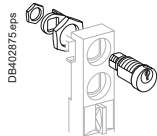
		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48/60 V AC/DC		LV833680SP
	100/130 V AC/DC	LV833684SP	LV833681SP
DC	200/250 V AC/DC	LV833685SP	LV833682SP
	380/480 V AC/DC		LV833683SP

MasterPacT MTZ1

Chassis locking and accessories

Chassis locking

"Disconnected" position locking / 1 part



By padlocks

VCPO

Standard

By Profalux keylocks

Profalux

1 lock with 1 key + adaptation kit

LV864909SP

2 locks 1 key + adaptation kit

LV864910SP

2 locks 2 different keys + adaptation kit

LV864911SP

1 keylock Profalux

identical key not identified combination

LV833173SP

(without adaptation kit):

identical key identified 215470 combination

LV833174SP

identical key identified 215471 combination

LV833175SP

By Ronis keylocks

Ronis

1 lock with 1 key + adaptation kit

LV864912SP

2 locks 1 key + adaptation kit

LV864913SP

2 locks 2 different keys + adaptation kit

LV864914SP

1 keylock Ronis

identical key not identified combination

LV833189SP

(without adaptation kit):

identical key identified EL24135 combination

LV833190SP

identical key identified EL24153 combination

LV833191SP

identical key identified EL24315 combination

LV833192SP

Adaptation kit

adaptation kit Profalux/Ronis

LV833769SP

(without keylock):

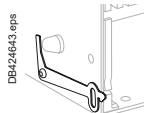
adaptation kit Castell

LV833771SP

adaptation kit Kirk

LV833772SP

Door interlock / 1 part



Right and left-hand side of chassis (VPECD or VPECG)

LV833172SP

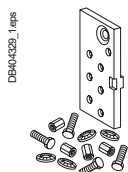
Racking interlock / 1 part



Racking interlock (VPOC)

LV833788SP

Breaker mismatch protection / 1 part

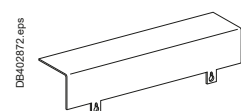


Breaker mismatch protection (VDC)

LV833767SP

Chassis accessories

Auxiliary terminal shield (CB) / 1 part



Terminal shield

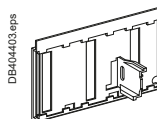
3P

LV833763SP

4P

LV833764SP

Safety shutters + locking / 1 part



Safety shutters (VO)

3P

LV833765SP

4P

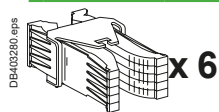
LV833766SP

Note: the locking of safety shutters is integrated.

MasterPacT MTZ1

Clusters - NT chassis retrofit to MTZ1

Clusters

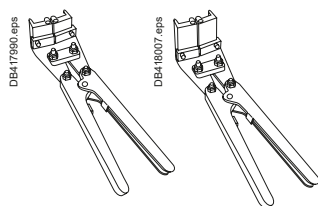


Kit of 6 disconnecting contact clusters for chassis (see table below)

LV864906SP

Table : number of clusters required for the different chassis models

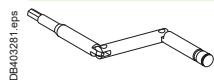
Chassis rating (A)	MasterPacT MTZ1	
	3P	4P
630	12	18
800	12	18
1000	12	18
1250	12	18
1600	18	24



Set of 2 clusters fitters for 2 and 3 clusters

47554

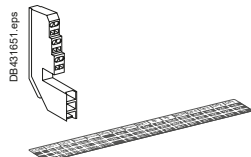
Racking handle / 1 part



Racking handle

LV847098SP

NT chassis retrofit to MTZ1



Kit for retrofitting an NT chassis for MTZ1 moving part

LV850066SP

For more information: retrofit kit instruction sheet ([QGH31933](#))

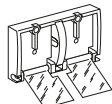
MasterPacT MTZ1

Circuit breaker locking and accessories

Circuit breaker locking

Pushbutton locking device / 1 part

DB4K437_1.eps

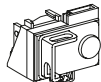


By padlocks

LV833897SP

OFF position locking / 1 part

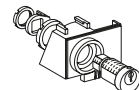
DB424648.eps



By padlocks + BPFE support

LV847514SP

DB403892.eps



By Profalux keylocks + support

Profalux

1 lock with 1 key + adaptation kit

LV864918SP

2 locks 1 key + adaptation kit

LV864919SP

1 keylock Profalux

identical key not identified combination

LV833173SP

(without adaptation kit):

identical key identified 215470 combination

LV833174SP

identical key identified 215471 combination

LV833175SP

By Ronis keylocks + support

Ronis

1 lock with 1 key + adaptation kit

LV864920SP

2 locks 1 key + adaptation kit

LV864921SP

1 keylock Ronis

identical key not identified combination

LV833189SP

(without adaptation kit):

identical key identified EL24135 combination

LV833190SP

identical key identified EL24153 combination

LV833191SP

identical key identified EL24315 combination

LV833192SP

Adaptation kit

adaptation kit Profalux / Ronis

LV847515SP

(without keylock):

adaptation kit Kirk

LV847517SP

adaptation kit Castell

LV847518SP

Other circuit breaker accessories

Mechanical operation counter / 1 part

DB25617_1.eps

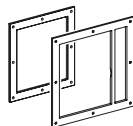


Operation counter CDM

LV833895SP

Escutcheon and accessories / 1 part

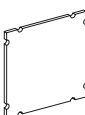
DB421420.eps



DB403098.eps



DB403099.eps



	Fixed	Drawout
Escutcheon	LV833718SP	LV833857SP
Transparent cover (IP54)		LV833859SP
Escutcheon blanking plate		LV833858SP

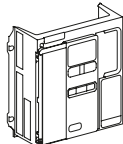
Escutcheon

Cover

Blanking plate

Front cover (3P) / 1 part

DB421431.eps



Front cover

LV847094SP

Spring charging handle / 1 part

DB424666.eps

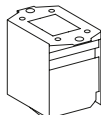


Spring charging handle

LV847092SP

Arc chute for MasterPacT MTZ1 / 1 part

DB421432.eps



Type H1/H2/HA

3 x

3P

LV846737SP

4 x

LV846737SP

Type L1

3 x

LV847095SP

4 x

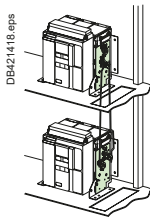
LV847095SP

MasterPacT MTZ1

Mechanical interlocking for source changeover

Mechanical interlocking for source changeover

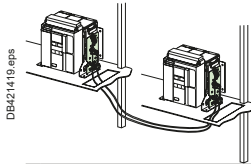
Interlocking using connecting rods



Choose 1 set of 2 adaptation fixtures + 1 set of rods	
1 set of 2 adaptation fixtures for MasterPacT MTZ1 fixed devices	LV833203SP
1 set of 2 adaptation fixtures for MasterPacT MTZ1 drawout devices	LV833204SP
1 set of 2 interlocking rods	LV833210SP

Note: the installation manual is enclosed.

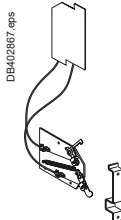
Interlocking using cables ^[1]



Choose 2 adaptation fixtures (1 for each device) + 1 set of cables	
1 adaptation fixture for MasterPacT MTZ1 fixed devices	LV833200SP
1 adaptation fixture for MasterPacT MTZ1 drawout devices	LV833201SP
1 set of 2 cables	LV833209SP

[1] Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

Cable-type door interlock



1 complete assembly for MasterPacT MTZ1 fixed devices	LV833920SP
1 complete assembly for MasterPacT MTZ1 drawout devices	LV833921SP

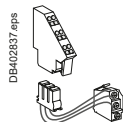
Note: the installation manual is enclosed.

MasterPacT MTZ1

Indication contacts

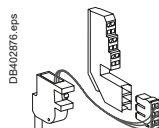
Indication contacts

ON/OFF indication contacts (OF) / 1 part



Changeover contacts (6 A - 240 V)	LV847076SP
1 low-level OF to replace 1 standard OF (4 max.)	LV847077SP
Wiring	For fixed circuit breaker
	For drawout circuit breaker (if necessary)
	LV847074SP
	LV833098SP

"Ready to close" contact (1 max.) / 1 part



1 changeover contact (6 A - 240 V)	PF
1 low-level changeover contact	LV847080SP
Wiring	For fixed circuit breaker
	For drawout circuit breaker (if necessary)
	LV847081SP
	LV847074SP
	LV833098SP

Electrical closing pushbutton / 1 part



1 pushbutton	BPFE
	LV864917SP

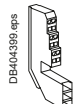
Carriage switches (connected / disconnected / test position) / 1 part



Changeover contacts (6 A - 240 V)	
1 connected position contact (3 max.)	LV833170SP
1 test position contact (1 max.)	LV833170SP
1 disconnected position contact (2 max.)	LV833170SP

And/or low-level changeover contacts	
1 connected position contact (3 max.)	LV833171SP
1 test position contact (1 max.)	LV833171SP
1 disconnected position contact (2 max.)	LV833171SP

Auxiliary terminals for chassis alone



3 wire terminal (1 part), terminal block (1 part)	LV833098SP
6 wire terminal (1 part), terminal block (1 part)	LV833099SP
Jumpers (10 parts)	LV847900SP

Auxiliary terminals for fixed circuit breaker



3 wire terminal block (1 part)	LV847074SP
6 wire terminal block (1 part)	LV847075SP

MasterPacT MTZ1

Communication, monitoring and control

Communication option

	EIFE	Embedded Ethernet module full spare part kit for MTZ1-drawout	LV851100SP
		Embedded ethernet Spare Part module for MTZ1/2/3-drawout	LV851001SP
	IFM	Modbus interface	LV434000
	IFE	Ethernet interface LV breaker	LV434001
		Ethernet interface for LV breakers and gateway	LV434002
	Microswitches for MTZ1		LV847906SP
	I/O application module		LV434063
	EIFE Accessories spare part kit for MTZ1-drawout		LV851120SP

ULP port modules

	ULP port - for MasterPacT MTZ1 - fixed	LV850063SP
	ULP port - for MasterPacT MTZ1 - drawout	LV850064SP

Accessories for Diagnostics & Communicating Releases

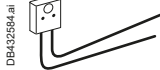
	Isolation module - for MX1/XF communicating coils	LV850056SP
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Monitoring and control

Ethernet display module

	Switchboard front display module FDM128	LV434128
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ULP wiring accessories ^[1]

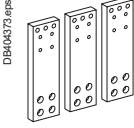
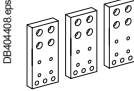
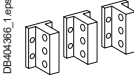
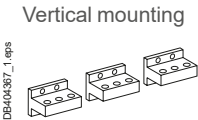
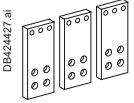
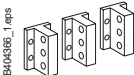
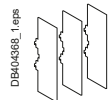
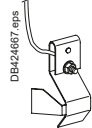
	Breaker ULP cord L = 0.35 m	LV434195
	Breaker ULP cord L = 1.3 m	LV434196
	Breaker ULP cord L = 3 m	LV434197
	Breaker ULP cord L = 5 m	LV434198
	Connector Modbus adaptor	LV434211
	10 Modbus line terminators	VW3A8306DRC ^[2]
	5 RJ45 connectors female/female	TRV00870
	10 ULP line terminators	TRV00880
	10 RJ45/RJ45 male cord L = 0.3 m	TRV00803
	10 RJ45/RJ45 male cord L = 0.6 m	TRV00806
	5 RJ45/RJ45 male cord L = 1 m	TRV00810
	5 RJ45/RJ45 male cord L = 2 m	TRV00820
	5 RJ45/RJ45 male cord L = 3 m	TRV00830
	1 RJ45/RJ45 male cord L = 5 m	TRV00850

[1] For measurement display with MicroLogic X.

[2] See www.schneider-electric.com.

MasterPacT MTZ2/3

Connection

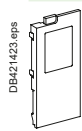
Connection			3P	4P
Fixed circuit breakers				
Front connection / Replacement kit (3 or 4 parts)				
	800-1600 A	Top	LV847990SP	LV847991SP
	2000/3200 A	Top	LV847992SP	LV847993SP
	800-1600 A	Bottom	LV847932SP	LV847933SP
	2000/3200 A	Bottom	LV847942SP	LV847943SP
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)				
	800-2000 A	Vertical	LV847964SP	LV847965SP
		Horizontal	LV847964SP	LV847965SP
	2500/3200 A	Vertical	LV847966SP	LV847967SP
		Horizontal	LV847966SP	LV847967SP
Vertical mounting	4000 A	Vertical	LV847968SP	LV847969SP
		Horizontal	LV847970SP	LV847971SP
Horizontal mounting	4000b/5000 A	Vertical	2x LV847966SP	2x LV847967SP
		Horizontal	2x LV847966SP	2x LV847967SP
	6300 A	Vertical	2x LV847968SP	2x LV847969SP
Drawout circuit breakers				
Front connection / Replacement kit (3 or 4 parts)				
	800-1600 A	Top or bottom	LV847960SP	LV847961SP
	2000/3200 A	Top or bottom	LV847962SP	LV847963SP
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)				
	800-2000 A types N1/H1/H2	Vertical	LV847964SP	LV847965SP
	800-1600 A types H3/L1	Horizontal	LV847964SP	LV847965SP
Vertical mounting	2500/3200 A types H1/H2	Vertical	LV847966SP	LV847967SP
	2000/3200 A types H3/L1	Horizontal	LV847966SP	LV847967SP
Horizontal mounting	4000 A	Vertical	LV847968SP	LV847969SP
		Horizontal	LV847970SP	LV847971SP
	4000b/5000 A	Vertical	2x LV847966SP	2x LV847967SP
		Horizontal	2x LV847966SP	2x LV847967SP
	6300 A	Vertical	2x LV847968SP	2x LV847969SP
Connection accessories			3P	4P
Disconnectable front-connection adapter for fixed circuit breaker (3 or 4 parts)				
	1600 A		LV848421SP	LV848424SP
	2000/3200 A		LV848422SP	LV848425SP
Interphase barriers / Replacement kit (3 parts)				
	For fixed rear-connected circuit breaker		LV848599SP	LV848599SP
	For drawout rear-connected circuit breaker		LV848600SP	LV848600SP
Additional support brackets for mounting on a backplate				
	For fixed rear-connected circuit breaker (2 parts)			LV847829SP
Grounding kit KTM				
	Grounding kit for MasterPacT MTZ2/3 fixed			
	Side plate kit			LV848556SP
	Device earthing kit			LV848557SP
	Grounding kit for MasterPacT MTZ2/3 drawout			LV848557SP

MasterPacT MTZ2/3

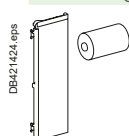
MicroLogic X control unit, communication option, accessories

Replacement parts for MicroLogic X control units

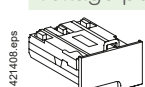
MicroLogic X embedded display (EHMI)

	MicroLogic X embedded display & wireless card	LV850054SP

MicroLogic X Battery + Transparent cover

	Battery (1 part)	LV833593SP
	Transparent Cover (1 part) for MicroLogic X	LV850053SP

Voltage power supply module (VPS) for MicroLogic X

	Voltage power supply module (VPS) for MicroLogic X	LV850060SP
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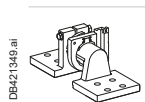
Communication option

	EIFE	Embedded Ethernet interface for LV breaker	LV851200SP
	IFM	Modbus interface	LV434000
	IFE	Ethernet interface LV breaker	LV434001
		Ethernet interface for LV breakers and gateway	LV434002
	I/O application module		LV434063
	Microswitches for MTZ2/3		LV847905SP

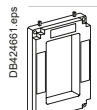
Accessories

External sensors

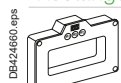
External sensor for earth-fault protection (TCE) / 1 part

	Sensor rating	400/2000 A	LV834035SP
		1000/4000 A	LV834036SP
		4000/6300 A (MTZ3)	LV848182SP
	Single sensor kit	2000/6300 A	LV848904SP
	3 layer bus	2000 A	LV848905SP

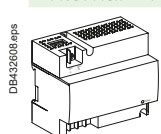
Source ground return (SGR) earth-fault protection / 1 part

	External sensor (SGR)	LV833579SP
	MDGF summing module	LV848891SP

Rectangular sensor for earth-leakage protection + Vigi cable / 1 part (up to 3200 A)

	280 mm x 115 mm	LV833573SP
	470 mm x 160 mm	LV833574SP

External 24 V DC MicroLogic power supply / 1 part

	24-30 V DC	LV454440
	48-60 V DC	LV454441
	100-125 V DC	LV454442
	110-130 V AC	LV454443
	200-240 V AC	LV454444

USB Cable (miniUSB/USB) for MicroLogic X / 1 part

	USB Cable (miniUSB/USB) for MicroLogic X / 1 part	LV850067SP
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Mobile Powerpack for MicroLogic X (by APC) / 1 part

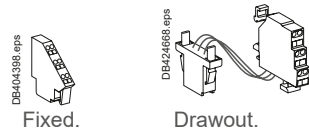
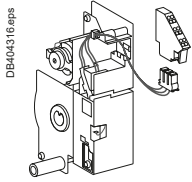
	Mobile Powerpack for MicroLogic X (by APC) / 1 part	LV850055SP
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MasterPacT MTZ2/3

Remote operation

Remote operation

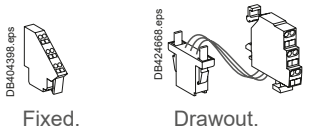
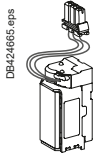
Gear motor



MCH (1 part)

AC 50/60 Hz	48 V	LV847889SP
	100/130 V	LV847893SP
	200/240 V	LV847894SP
	250/277 V	LV847895SP
	380/415 V	LV847896SP
	440/480 V	LV847897SP
DC	24/30 V	LV847888SP
	48/60 V	LV847889SP
	100/130 V	LV847890SP
	200/250 V	LV847891SP
		LV847074SP
Terminal block (1 part)		For drawout circuit breaker (if necessary)
		LV847849SP

Closing and opening release (XF or MX)



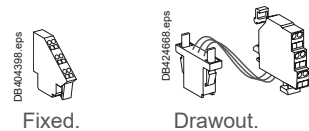
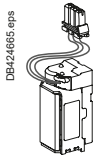
Standard coil (1 part)

AC 50/60 Hz	24/30 V DC, 24 V AC	LV833659SP
	48/60 V DC, 48 V AC	LV833660SP
	100/130 V AC/DC	LV833661SP
	200/250 V AC/DC	LV833662SP
	277 V AC	LV833663SP
	380/480 V AC	LV833664SP

Diagnostics & Communicating coil (1 part) ^[1]

AC 50/60 Hz	24/30 V DC, 24 V AC	LV833033SP
	48/60 V DC, 48 V AC	LV833034SP
	100/130 V AC/DC	LV833035SP
	200/250 V AC/DC	LV833036SP
	277 V AC	LV833037SP
	380/480 V AC	LV833038SP
DC	Wiring kit for diag & com coil	LV847904SP
	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV847849SP

Undervoltage release MN



Undervoltage release (1 part)

AC 50/60 Hz	24/30 V DC, 24 V AC	LV833668SP
	48/60 V DC, 48 V AC	LV833669SP
	100/130 V AC/DC	LV833670SP
	200/250 V AC/DC	LV833671SP
	380/480 V AC	LV833673SP

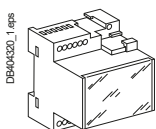
Diagnostics coil (1 part) ^[1]

AC 50/60 Hz	24/30 V DC, 24 V AC	LV836668SP
	48/60 V DC, 48 V AC	LV836669SP
	100/130 V AC/DC	LV836670SP
	200/250 V AC/DC	LV836671SP
	380/480 V AC	LV836673SP
	Wiring kit for diag & com coil	LV847904SP
DC	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV847849SP

Voltage releases securing fixture

Voltage releases securing fixture for MX/XF/MN	LV847093SP
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MN delay unit



MN delay unit (1 part)

		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48/60 V AC/DC		LV833680SP
	100/130 V AC/DC	LV833684SP	LV833681SP
	200/250 V AC/DC	LV833685SP	LV833682SP
	380/480 V AC/DC		LV833683SP

[1] Diagnostics & Communicating coils (MX/XF/MN) requires additionally the isolation module if isn't installed in breaker -1 module by breaker.

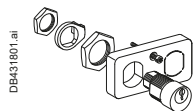
Order your Circuit Breaker: Spare Parts

MasterPacT MTZ2/3

Chassis locking and accessories

Chassis locking

"Disconnected" position locking / 1 part



By padlocks

VCPO	Standard
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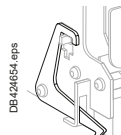
By Profalux keylocks

Profalux	1 lock with 1 key + adaptation kit	LV864934SP
	2 locks 1 key + adaptation kit	LV864935SP
	2 locks 2 different keys + adaptation kit	LV864936SP
1 keylock Profalux (without adaptation kit):	identical key not identified combination	LV833173SP
	identical key identified 215470 combination	LV833174SP
	identical key identified 215471 combination	LV833175SP

By Ronis keylocks

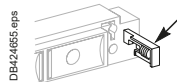
Ronis	1 lock with 1 key + adaptation kit	LV864937SP
	2 locks 1 key + adaptation kit	LV864938SP
	2 locks 2 different keys + adaptation kit	LV864939SP
1 keylock Ronis (without adaptation kit):	identical key not identified combination	LV833189SP
	identical key identified EL24135 combination	LV833190SP
	identical key identified EL24153 combination	LV833191SP
	identical key identified EL24315 combination	LV833192SP
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV848564SP
	adaptation kit Kirk	LV848565SP
	adaptation kit Castell	LV848566SP

Door interlock / 1 part



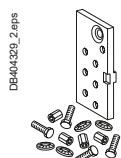
Right and left-hand side of chassis (VPECD or VPECG)	LV847914SP
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Racking interlock



5 parts	LV864940SP
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Breaker mismatch protection / 1 part



Breaker mismatch protection (VDC)	LV833767SP
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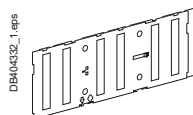
Chassis accessories

Auxiliary terminal shield (CB) / 1 part



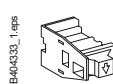
MTZ2 800/4000 A	3P	LV864942SP
	4P	LV848596SP
MTZ3 4000/6300 A	3P	LV848597SP
	4P	LV848598SP

Safety shutters + locking block / 1 part



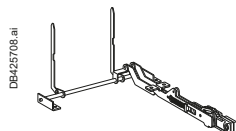
MTZ2 800/4000 A	3P	LV848721SP
	4P	LV848723SP
MTZ3 4000/6300 A	3P	LV848722SP
	4P	LV848724SP

Shutter locking block (for replacement) / 1 part



2 parts for 800/4000 A	LV848591SP
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Front face shutter position indication and locking

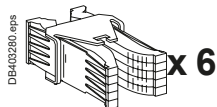


MTZ2 800/4000 A	3P	LV848592SP
MTZ3 4000/6300 A	3P	LV848693SP
	4P	LV848694SP

MasterPacT MTZ2/3

Clusters - NW chassis retrofit to MTZ2/MTZ3

Clusters

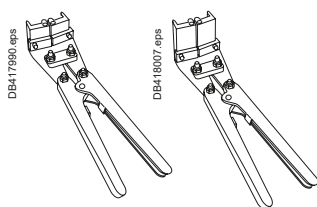


Kit of 6 disconnecting contact clusters for chassis (see table below)

LV864906SP

Table : number of clusters required for the different chassis models

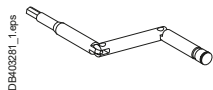
	MasterPacT MTZ2-3 3P						MasterPacT MTZ2-3 4P					
	N1, NA	H1, HA	H10, HA10	H2, HF	H3	L1	N1, NA	H1, HA	H10, HA10	H2, HF	H3	L1
MTZ2 08 to 16	12	12	12	24		24	16	16	16	32		32
MTZ2 20	24	24	24	24	24	42	32	32	32	32	32	56
MTZ2 25		24	24	24	24			32	32	32	32	
MTZ2 32		36	36	36	36			48	48	48	48	
MTZ2 40		42	42	42	42			56	56	56	56	
MTZ3 40 to 50		72		72				96		96		
MTZ3 63		72		72				96		96		



Set of 2 clusters fitters for 2 and 3 clusters

47554

Racking handle

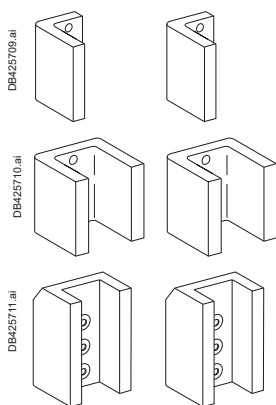


Racking handle

LV847944SP

Raking terminals for converting a fixed into a drawout circuit breaker (for 1 pole = top + bottom)

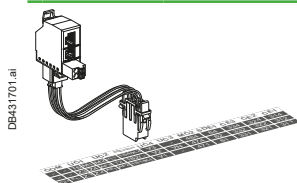
Device type	Quantity to be ordered		Part number
	3P	4P	
MTZ2 08-16 N1/NA/H1/HA	3	4	LV847908SP



MTZ2 20 N1 - MTZ2 20-25 H1/H2/HA	3	4	LV847909SP
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MTZ2 32-40 H1/H2/HA	3	4	LV847912SP
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NW chassis retrofit to MTZ2/MTZ3



Kit for retrofitting an NW chassis for MTZ2/3 moving part

LV850065SP

For more information: retrofit kit instruction sheet ([QGH31931](#))

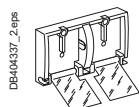
Order your Circuit Breaker: Spare Parts

MasterPacT MTZ2/3

Circuit breaker locking and accessories

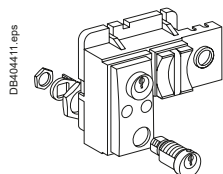
Circuit breaker locking

Pushbutton locking device / 1 part



By padlocks	LV848536SP
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OFF position locking / 1 part



By padlocks	LV848539SP
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By Profalux keylocks

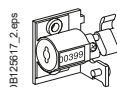
Profalux	1 lock with 1 key + adaptation kit	LV864928SP
	2 locks 1 key + adaptation kit	LV864929SP
	2 locks 2 different keys + adaptation kit	LV864930SP
1 keylock Profalux (without adaptation kit):	identical key not identified combination	LV833173SP
	identical key identified 215470 combination	LV833174SP
	identical key identified 215471 combination	LV833175SP

By Ronis keylocks

Ronis	1 lock with 1 key + adaptation kit	LV864931SP
	2 locks 1 key + adaptation kit	LV864932SP
	2 locks 2 different keys + adaptation kit	LV864933SP
1 keylock Ronis (without adaptation kit):	identical key not identified combination	LV833189SP
	identical key identified EL24135 combination	LV833190SP
	identical key identified EL24153 combination	LV833191SP
	identical key identified EL24315 combination	LV833192SP
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV848541SP
	adaptation kit Kirk	LV848542SP
	adaptation kit Castell	LV848543SP

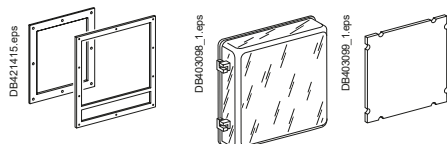
Other circuit breaker accessories

Mechanical operation counter / 1 part



Operation counter CDM	LV848535SP
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Escutcheon and accessories / 1 part



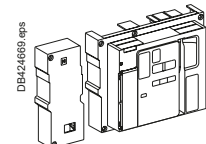
	Fixed	Drawout
Escutcheon	LV848601SP	LV848603SP
Transparent cover (IP 54)		LV848604SP
Escutcheon blanking plate	LV848605SP	LV848605SP

Escutcheon

Cover

Blanking plate

Front cover (3P / 4P) / 1 part



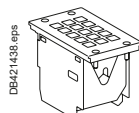
Front cover	LV847939SP
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Spring charging handle / 1 part



Spring charging handle	LV847940SP
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Arc chute for MasterPacT MTZ2/3 / 1 part



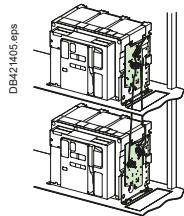
	3P	4P
Type N1/NA/HF	3 x LV847935SP	4 x LV847935SP
Type H1/H2/HA (MTZ2 08 to MTZ2 40)	3 x LV847935SP	4 x LV847935SP
Type H1/H2/HA (MTZ3 40 to MTZ3 63)	6 x LV847936SP	8 x LV847936SP
Type H3	3 x LV847936SP	4 x LV847936SP
Type H10/HA10	3 x LV847869SP	4 x LV847869SP
Type L1	3 x LV847937SP	4 x LV847937SP

MasterPacT MTZ2/3

Mechanical interlocking for source changeover

Mechanical interlocking for source changeover

Interlocking of 2 devices using connecting rods



Choose 1 set of 2 adaptation fixtures (1 for each device) + 1 set of rods

1 set of 2 adaptation fixtures for MasterPacT MTZ2 or MTZ3 fixed or drawout device

LV847930SP

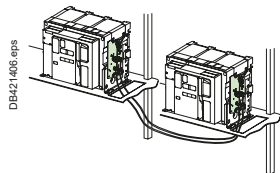
1 set of 2 interlocking rods

LV833210SP

Can be used with 1 MTZ2/3 fixed + 1 MTZ2/3 drawout.

Note: the installation manual is enclosed.

Interlocking of 2 devices using cables^[1]



Choose 2 adaptation fixtures (1 for each device) + 1 set of cables

1 adaptation fixture for MasterPacT MTZ2/3 fixed devices

LV847926SP

1 adaptation fixture for MasterPacT MTZ2/3 drawout devices

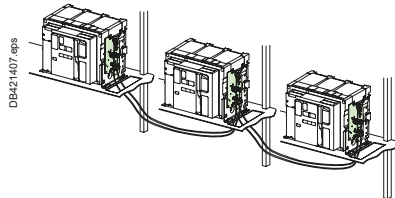
LV847926SP

1 set of 2 cables

LV833209SP

[1] Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

Interlocking of 3 devices using cables



Choose 3 adaptation (including 3 adaptation fixtures + cables)

3 sources, only 1 device closed, fixed or drawout devices

LV848610SP

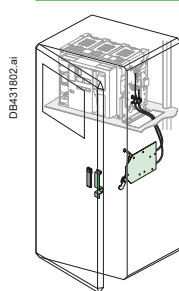
2 sources + 1 coupling, fixed or drawout devices

LV848609SP

2 normal + 1 replacement source, fixed or drawout devices

LV848608SP

Cable-type door interlock



1 complete assembly for MasterPacT MTZ2/3 fixed or drawout device

LV848614SP

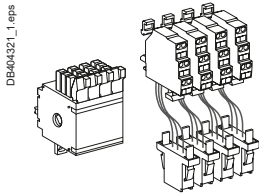
Note: the installation manual is enclosed.

MasterPacT MTZ2/3

Indication contacts

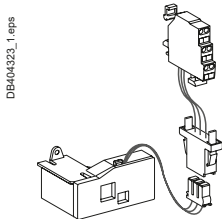
Indication contacts

ON/OFF indication contacts (OF) / 12 parts



1 additional block of 4 contacts	LV864922SP
Wiring	For fixed circuit breaker
	For drawout circuit breaker (if necessary)
	LV847074SP x 4
	LV847849SP x 4

"Fault trip" indication contacts (SDE) / 1 part

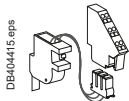


Changeover contact (SDE)	6 A - 240 V	LV847915SP
	Low-level	LV847916SP
Wiring	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV847849SP

Remote reset after fault trip

Electrical reset RES	110/130 V AC	LV848202SP
	220/240 V AC	LV848203SP
Wiring	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV847849SP

"Ready to close" contact (1 max.) / 1 part



1 changeover contact (5 A - 240 V)	PF	LV847080SP
1 low-level changeover contact		LV847081SP
Wiring	For fixed circuit breaker	LV847074SP
	For drawout circuit breaker (if necessary)	LV847849SP

"Connected, disconnected, test position" indication contact (carriage switches) / 1 part



Changeover contacts	6 A - 240 V	LV833170SP
CE, CD, CT	Low-level	LV833171SP

Set of additional actuators for carriage switches / 1 set

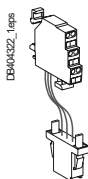
1 set	LV848560SP
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Note: The MasterPacT MTZ2 and MTZ3 chassis is equipped in standard for receiving the following carriage switches combinations:

- chassis without EIFE: up to 3 CD + up to 3 CE + up to 3 CT
- chassis with EIFE: up to 3 CD + up to 3 CE.

Any other carriage switches possible combination different than the standard ones requires 1 set of additional actuators.

Combined closed / connected contacts for use with 1 auxiliary contact / 1 part



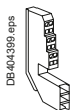
1 contact (5 A - 240 V)	LV848477SP
or 1 low-level contact	LV848478SP

Electrical closing pushbutton / 1 part



1 pushbutton	BPFE
	LV848534SP

Auxiliary terminals for chassis alone



3 wire terminal (1 part)	LV847849SP
6 wire terminal (1 part)	LV847850SP
Jumpers (10 parts)	LV847900SP

Auxiliary terminals for fixed circuit breaker



3 wire terminal block (1 part)	LV847074SP
6 wire terminal block (1 part)	LV847075SP

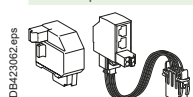
MasterPacT MTZ2/3

Communication, monitoring and control

Communication option

	EIFE	Embedded Ethernet module full spare part kit for MTZ2/3-drawout	LV851200SP
		Embedded Ethernet spare part module MTZ1/2/3-drawout	LV851001SP
	IFM	Modbus interface	LV434000
	IFE	Ethernet interface LV breaker	LV434001
		Ethernet interface for LV breakers and gateway	LV434002
	Microswitches for MTZ2/3		LV847905SP
	EIFE Accessories spare part kit for MTZ2/3		LV851220SP
	I/O application module		LV434063

ULP port modules

	ULP port - for MasterPacT MTZ2/3 - fixed	LV850061SP
	ULP port - for MasterPacT MTZ2/3 - drawout	LV850062SP

Accessories for Diagnostics & Communicating Releases

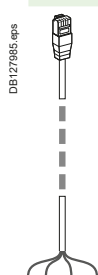
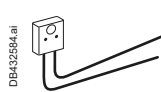
	Isolation module - for MX1/XF communicating coils	LV850056SP
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Monitoring and control

Ethernet display module

	Switchboard front display module FDM128	LV434128
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ULP wiring accessories ^[1]

	Breaker ULP cord L = 0.35 m	LV434195
	Breaker ULP cord L = 1.3 m	LV434196
	Breaker ULP cord L = 3 m	LV434197
	Breaker ULP cord L = 5 m	LV434198
	Connector Modbus adaptor	LV434211
	10 Modbus line terminators	VW3A8306DRC ^[2]
	5 RJ45 connectors female/female	TRV00870
	10 ULP line terminators	TRV00880
	10 RJ45/RJ45 male cord L = 0.3 m	TRV00803
	10 RJ45/RJ45 male cord L = 0.6 m	TRV00806
	5 RJ45/RJ45 male cord L = 1 m	TRV00810
	5 RJ45/RJ45 male cord L = 2 m	TRV00820
	5 RJ45/RJ45 male cord L = 3 m	TRV00830
	1 RJ45/RJ45 male cord L = 5 m	TRV00850

^[1] For measurement display with MicroLogic X.

^[2] See www.schneider-electric.com.

Life Is On



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