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Control and  
monitoring  
island

## Digital multifunctional load management solution

TeSys™ island is designed to switch, protect, and manage motors and other electrical loads up to 80 Amps (AC3) in an electrical control panel.



### Dedicated to Control and Monitor Machine and Processes

TeSys™ island is a digital load management solution that makes machines and processes smarter and more reliable.

TeSys™ island is a fully digitized and object-oriented load management system and an Industry 4.0 compliant data provider.

It is reducing time to market and is enabling OEMs to move forward in their Industry 4.0 journey.

### Benefits of the object-oriented functional approach

The TeSys avatar approach simplifies application and system configuration and reduces engineering tasks. Thus TeSys™ island makes the machine engineering and installation phase much faster.

In addition, TeSys™ island can be easily integrated into 3<sup>rd</sup> party automation systems and supports several fieldbuses like EtherNet/IP, Modbus TCP, PROFINET and PROFIBUS.

TeSys™ island gives users access to all relevant load data for advanced system diagnostics.



## More information

- Watch videos, read documents and use the product selector online on Schneider Electric website.

TeSys™ island  
catalog:



> Ref. Document:  
LVCATISL\_EN

TeSys™ island  
design guides:

- > 8536IB1901: TeSys™ island System Guide
- > 8536IB1902: TeSys™ island Installation Guide
- > 8536IB1903: TeSys™ island Operating Guide
- > 8536IB1904: TeSys™ island Functional Safety (Safe Stop according to EN 61800-5-2) Guide
- > 8536IB1905: Third Party Function Block Guide and more.

## Main characteristics

- TeSys™ island manages motors and other electrical loads up to 80 A (AC-3) / 37 kW/40 hp
- Fieldbus connectivity via bus coupler for EtherNet/IP, Modbus TCP, PROFINET or PROFIBUS
- Availability of all relevant load data like current, power, energy and advanced diagnostic data
- Simplified engineering and commissioning due to TeSys avatar objects and dedicated configuration and maintenance tools
- Up to 20 modules on 1 island mounted on DIN rail (up to 112 cm length)
- No control or auxiliary wiring required, thanks to full connectivity over fieldbus
- All adjustments and setting are digitized, no mechanical dials or dip switches
- Limited number of references including 5 starter sizes, digital & analog I/Os and voltage measurement modules
- SIL starter available for integration into functional safety systems according to IEC 61508, IEC 62061 and ISO 13849-1, including TUV certification (Stop 0 and 1 with wiring categories 1 to 2, suitable for PL c, d and SIL level 2)
- Fully compliant to international standards (IEC / UL / CSA 61010, IEC / UL / CSA 60947, GB/T14018)
- Embedded Cybersecurity (Achilles Level 2).

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## Modular architecture, thanks to TeSys™ island internal bus

