

Product availability: Stock - Normally stocked in distribution facility



Main

Range	TeSys
Product name	TeSys island
Device short name	TPRSM
Product or component type	SIL interface module
Device presentation	Implementation of a safe stop function for SIL motor starters TPRSS Safe stop operable for safety-related system conforming to ISO 13849-1 Operational only when connected to a bus coupler TPRBC
Function of module	Safe stop with 1NC or 2NC contacts monitoring
Product compatibility	TPRBC bus coupler TPRSS SIL motor starter
[Ue] rated operational voltage	Input/output circuit 24 V DC
[Ui] rated insulation voltage	Input/output circuit 50 V
[Uimp] rated impulse withstand voltage	2 kV input/output circuit IEC 60947-1
Overvoltage category	III
Input type	Isolated switching input safe stop
Input protection type	Internal, electronic
Input voltage	15...28.8 V DC state 1 0...5 V DC state 0
Output type	Relay instantaneous opening, 1 NO, potential free
Output thermal current	8 A relay output
Protection type	External fuse, 8 A gG relay output
Local signalling	DS (device status) 1 LED green/red SS (safe stop status) 1 LED green/red

Complementary

[Us] rated supply voltage	24 V DC supplied by the bus coupler
Current consumption	10 mA
Power dissipation in W	0.7 W maximum
Safety function	Safe stop IEC 60204-1 Safe stop IEC 60204-1
Safety integrity level	SIL 2 IEC 61508 SILCL 2 IEC 62061 PL = d ISO 13849-1
Standards	UL 60947-5-1 IEC 60947-5-1
Product certifications	EAC (pending) UL CSA
Mounting mode	Horizontal and vertical 35 mm symmetrical rail)
Connections - terminals	Control circuit removable spring terminal block 5 0.00...0.00 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)rigid Control circuit removable spring terminal block 5 0.00...0.00 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit removable spring terminal block 5 0.00...0.00 in ² (0.25...2.5 mm ²) AWG 22...AWG 14)flexible with cable end
Width	0.98 in (25 mm)
Height	4.65 in (118 mm)

Depth	4.49 in (114 mm)
Net weight	0.35 lb(US) (0.159 kg)







Environment

Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Ambient air temperature for operation	14...140 °F (-10...60 °C)
Relative humidity	5...95 %
Operating altitude	0...6561.68 ft (0...2000 m) without derating
IP degree of protection	IP20
Pollution degree	2
Protective treatment	TC
Fire resistance	1760 °F (960 °C) UL 94
Shock resistance	15 gn 11 ms) IEC 60068-2-27
Vibration resistance	1.5 mm peak to peak 3...13 Hz) IEC 60068-2-6 1 gn 13...200 Hz) IEC 60068-2-6
Electromagnetic compatibility	Electrostatic discharge, level 3 8 kV air, 6 kV contact)EN/IEC 61000-4-2) Radiated RF fields, level 3 10 V/m)EN/IEC 61000-4-3) Fast transients immunity test, level 3 2 kV)EN/IEC 61000-4-4) Surge immunity test, level 3 2 kV)EN/IEC 61000-4-5)

Ordering and shipping details

Category	22353 - TESYS ISLAND AUXILIARY DEVICES
Discount Schedule	I12
GTIN	03606489832872
Package weight(Lbs)	0.27 kg (0.6 lb(US))
Returnability	Yes

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 months
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