TCSEGPA23F14F

Profibus DP V1 remote master - for Premium/ Quantum/M340/M580 PLC

Main

Range of Product	Profibus DP
Product or Component Type	Profibus DP V1 remote master
Kit composition	CD including the communication DTM CD including the Master DTM for PRM configuration inside UNITY
Communication gateway	Ethernet Modbus TCP to Profibus DP V1 gateway
Product Compatibility	M340 PLC M580 PLC Quantum PLC Premium PLC
Structure type	Industrial bus

Complementary

Physical interface	RS485
Method of access	Master class 1 Profibus DP Master class 2 Profibus DP Slave Modbus TCP
Mode of Transmission	NRZ
Transmission support medium	Profibus 2 twisted shielded pairs cable Modbus TCP category 5 shielded twisted pair (STP)
Transmission rate	12 Mbit/s, 328.08 ft (100 m) Profibus without repeater 12 Mbit/s, 1312.34 ft (400 m) Profibus with 3 repeaters 9.6 kbit/s, 3937.01 ft (1200 m) Profibus without repeater 9.6 kbit/s, 15748.03 ft (4800 m) Profibus with 3 repeaters 10...100 Mbit/s, 328.08 ft (100 m) Modbus TCP without repeater
Number of slave	126
Number of inputs	2
Number of outputs	2
Communication service	Check slave configuration (on power up) class 1 master Manage monitoring request (Global CONTROL and Get Master Diag) class 2 master No master/master dialogue class 2 master Profibus FMS message handling not supported class 1 master Profibus FMS message handling not supported class 2 master Read/Write DP slave I/O data class 1 master Set slave parameters (on power up) class 1 master Transfer slave diagnostic data class 1 master Sync and freeze class 1 master Acyclic DP V1 communication (R/W) class 1/2 master
Integrated connection type	2 Ethernet TCP/IP - RJ45 Modbus TCP Profibus DP - SUB-D 9 Profibus DP V1
Current consumption	200 mA 24 V DC external
Module format	Standard
Net Weight	1.37 lb(US) (0.62 kg)

Environment

Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Ambient Air Temperature for Storage	-49…185 °F (-45…85 °C)
Relative Humidity	10…95 % without condensation
Operating altitude	<= 6561.68 ft (2000 m)

Ordering and shipping details

Category	18225-PLC NTWRK HRDWR & PROWORX SOFTWARE
Discount Schedule	PC41
GTIN	3595864068800
Returnability	No
Country of origin	IE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.24 in (5.7 cm)
Package 1 Width	7.17 in (18.2 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	21.87 oz (620.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	10.93 lb(US) (4.96 kg)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

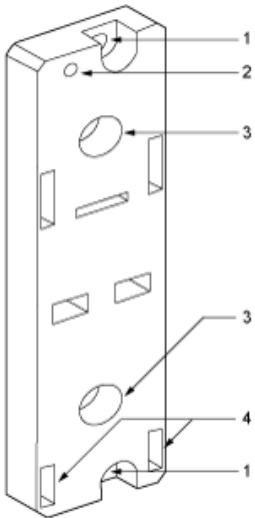|	
Warranty	18 months

Module Mounting

At a glance

The PRM module can be installed either:

- With its support plate as a standalone module on a DIN rail, grid or panel

- Without its support plate as a Premium module inside the rack

Support Plate

Label	Meaning
1	Two holes diameter 5.5 mm (7/32 in) allowing the support plate to be fixed to a panel or to an AM1-PA pre-slotted plate, with a center distance of 140 mm (5.51 in). Tightening torque: 1 to 1.2 N-m (8.8 to 10.6 lb-in).
2	M4 fixing hole for securing the PRM module.
3	Two holes diameter 6.5 mm (0.26 in) allowing the support plate to be fixed to a panel or to an AM1-PA pre-slotted plate with a center distance of 88.9 mm (3.5 in).
4	Slots for positioning the pins located at the bottom and rear of the module

Mounting on a DIN rail or Plate

Installation on Drilled plate	Installation on Din rail	Dimensions

Mounting Type		Dimensions			
		X		Y	
mm	in.	mm	in.		
Drilled Plate	(AM1-PA)			132.7	5.22
Din Rail	(AM1-DE200)	143.7	5.66		
Din Rail	(AM1-DP200)	136.2	5.36		