## Characteristics

**Product data sheet**

**TCSEGPA23F14F**

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

Product availability: Stock - Normally stocked in distribution facility

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### Main

<table>
<thead>
<tr>
<th>Range of product</th>
<th>Profibus DP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product or component type</td>
<td>Profibus DP V1 remote master</td>
</tr>
</tbody>
</table>
| 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

<table>
<thead>
<tr>
<th>Physical interface</th>
<th>RS485</th>
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</thead>
</table>
| 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 (S TP) |
| 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 |

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Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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
00785901921905

Package weight(Lbs)
0.62 kg (1.36 lb(US))

Returnability
Yes

Country of origin
IE

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 Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov

REACH Regulation
REACH Declaration

EU RoHS Directive
Pro-active compliance (Product out of EU RoHS legal scope)
EU RoHS Declaration

Toxic heavy metal free
Yes

Mercury free
Yes

RoHS exemption information
Yes

China RoHS Regulation
China RoHS declaration

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