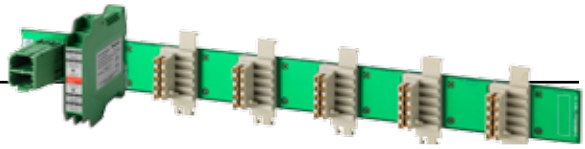
Honeywell

Touchpoint Pro
Communication/Power Rail



Specifications

Ring Coupling Module

Communication / Power Rail	
Description	5, 7, 9 or 10-way Communication / Power Rail consists of 1 DIN Rail, 1 Ring Coupling Module (RCM), and a 5, 7, 9 or 10-way Backplane
DIN Rail	
Total Width	430 mm
Type	TS-35/15
Ring Coupling Module (RCM)	
Description	Module for connection of DIN Rail mounted I/O modules to Ring Network
Electrical Connection	2 x Ring Network TX / RX Driver Pairs (Each 2-Wire plus Drain)
Supply Voltage	24 Vdc (18-32 Vdc)
Power Consumption	Maximum 1 W
Power Dissipation	Maximum 1 W
Ring Network Cable	Minimum 2 x 2 x 1 mm^2 twisted pair, plus Drain and Overall Screen
Operating Temperature	-40°C to +65°C
Storage Temperature	-40°C to +65°C
Environmental Protection Class	Pollution Degree 2 (indoor sheltered)
Connector Coding	Ring cable connectors (TB1-TB4) are coded with coding keys to avoid mis-wiring.
DIN Rail connector (Module Supply and Communication)	Maximum Current: 60 mA (18-32 Vdc)
Backplane	
Description	5, 7, 9 and 10 I/O slot (excluding first slot reserved for RCM) backplane PCB for providing power and Ring Network connections to the RCM and I/O modules
Electrical Connection	2-wire (+V and –V) at Power Supply Input for 5, 7, 9 I/O Slot Backplane 2 x 2-wire (+V and –V) at Power Supply Input for 10 I/O Slot Backplane 10-pin backplane connector for connection to RCM and I/O Modules
Maximum Wire Size	6 mm^2
Supply Voltage	24 Vdc (18-32 Vdc)
Backplane current Rating	Maximum 20 A
Power Supply Connector Rating	Maximum 32 V, 41 A
Backplane connector	Maximum 32 V, 4.04 A
Environmental Protection Class	Pollution Degree 2 (indoor sheltered)
Operating Temperature	-40°C to +65°C
Storage Temperature	-40°C to +65°C

Communication / Power Rail

Terminal Identification	Label	Channel
1	+	Ring A In
2	Drain	
3	-	
4	+	Ring B Out
5	Drain	
6	-	
7	+	Ring B in
8	Drain	
9	-	
10	+	Ring A Out
11	Drain	
12	-	

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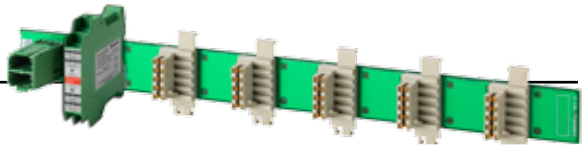

Specifications continued

Part Numbers

Communication/Power Rail	
For 19” Rack enclosure versions	
TPPR-V-0520	5 Way Communication/Power Rail
TPPR-V-0525	7 Way Communication/Power Rail
TPPR-V-0530	9 Way Communication/Power Rail
For standard Wall Mount and Floor Standing Cabinet versions	
TPPR-V-0540	10 Way Communication/Power Rail
TPPR-V-0541	9 Way Communication/Power Rail with additional RCM
TPPR-V-0542	9 Way Communication/Power Rail with additional DIM
TPPR-V-0543	8 Way Communication/Power Rail with additional DIM and RCM

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