



Product information
SPIDER II 16TX EEC
942 120-001

Name	
SPIDER II 16TX EEC	
	
Entry Level Industrial ETHERNET Rail-Switch, Store and Forward Switching Mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)	
Delivery informations	
Availability	available
Product description	
Description	Entry Level Industrial ETHERNET Rail-Switch, Store and Forward Switching Mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Port type and quantity	16 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
Type	SPIDER II 16TX EEC
Order No.	942 120 - 001
More interfaces	
Power supply/signaling contact	1 plug-in terminal block, 5-pin / no signaling contact
Network size - length of cable	
Twisted pair (TP)	0 - 100 m
Multimode fiber (MM) 50/125 µm	n/a
Multimode fiber (MM) 62.5/125 µm	n/a
Single mode fiber (SM) 9/125 µm	n/a
Single mode fiber (LH) 9/125 µm (long haul transceiver)	n/a
Network size - cascading	
Line - / star topology	any
Power requirements	
Operating voltage	18 - 32 V DC redundant
Current consumption at 24 V DC	0.41 A
Power consumption	9.8 W
Service	
Diagnostics	LEDs (power, link status, data, data rate)
Redundancy	
Redundancy functions	n/a
Ambient conditions	
Operating temperature	-40°C to +70°C
Storage/transport temperature	-45°C to +85°C
Relative humidity (non-condensing)	5% to 95%
MTBF	326,298 h (Telcordia)
Mechanical construction	
Dimensions (W x H x D)	66 mm x 138 mm x 111 mm
Mounting	DIN Rail 138 mm
Weight	730 g
Protection class	IP30
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration	3,5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (linie/earth), 1 kV (linie/line), 2 kV data line

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



EN 61000-4-6 conducted immunity	10 V (150 kHz - 80 kHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 60950-1, cUL 508
Hazardous locations	ISA 12.12.01 Class 1 Div. 2 (pending); ATEX, Zone 2 (pending)
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual
Accessories to order separately	Rail Power Supply RPS 30, RPS 80 EEC or RPS 120 EEC