



### Main

Range of product	Modicon X80
Product or component type	Fibre optic repeater
Optic fiber type	Multi mode

### Complementary

Rated voltage	24 V
Current consumption	140 mA typical 200 mA maximum
Function available	Hot swap
Number of port	2 RJ45 with 100BASE-TX port Ethernet conforming to IEEE 802.3u 2 fiber optic with 100BASE-FX port Ethernet conforming to IEEE 802.3u
Local signalling	1 LED (green) for power supply status 1 LED (red) for error condition (ERR) 2 LEDs (green) for link status 2 LEDs (green) for fiber port state and activity
Wavelength	1310 nm
Operating distance	0...2000 m
Attenuation	-23.5...-14 DB (50/125 µm) -20...-14 dB (62.5/125 µm)
Rise/fall time	3 ns
Receiver sensitivity	- 31...- 14 dBm
Marking	CE
Width	32 mm
Height	100 mm
Depth	86 mm
Net weight	203 g

### Environment



Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	0...95 %
Protective treatment	Conformal coating
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22

Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5, interface type 1 and type 2 EN/IEC 61850-3, location G EN/IEC 60079-0
Environmental characteristic	Gas resistant class Gx conforming to ISA S71.04 Gas resistant class 3C4 conforming to IEC 60721-3-3 Dust resistant class 3S4 conforming to IEC 60721-3-3 Sand resistant class 3S4 conforming to IEC 60721-3-3 Salt resistant level 2 conforming to IEC 68252 Mold growth resistant class 3B2 conforming to IEC 60721-3-3 Fungal spore resistant class 3B2 conforming to IEC 60721-3-3 Hazardous location class I division 2
Dielectric strength	1400 V DC between field and bus 500 V DC between channels
IP degree of protection	IP20
Operating altitude	0...4000 m

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	246 g
Package 1 Height	5.5 cm
Package 1 width	11 cm
Package 1 Length	12 cm
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Weight	3.759 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
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
----------	-----------