

product type designation

product description



XC100-4OBR, SM, line topology

Optical bypass relay for single-mode fiber-optic networks without Tap function

***** spare part ***** SCALANCE XC100-4OBR; optical bypass relay; LED diagnostics; error-signaling contact and set push-button; redundant power supply; including electronic manual on CD-ROM 4x optical SC ports; single-mode fiber-optic cable reduced attenuation for linear networks.

transfer rate

transfer rate

- | | |
|-------------------------------|-------------|
| • 2 / for Industrial Ethernet | 100 Mbit/s |
| • 3 / for Industrial Ethernet | 1000 Mbit/s |

interfaces

number of 100 Mbit/s SC ports

- | | |
|-------------------------------------|---|
| • for single mode (LD) / integrated | 4 |
|-------------------------------------|---|

design of the optical interface / for network components or terminal equipment

SC

transmission loss

- | | |
|------------------------------|--------|
| • at Rx-In P1 and Tx-Out P2 | 1.2 dB |
| • at Rx-In P2 and Tx-Out P1 | 1.2 dB |
| • at Rx-In P1 and Tx-Out P1' | 1.2 dB |
| • at Rx-In P2 and Tx-Out P2' | 1.2 dB |
| • at Rx-In P1' and Tx-Out P1 | 1.2 dB |
| • at Rx-In P2' and Tx-Out P2 | 1.2 dB |

supply voltage

type of voltage supply

DC

supply voltage / external

24 V

- | | |
|-----------|------|
| • minimum | 12 V |
| • maximum | 48 V |

consumed current / maximum

0.1 A

mechanical data

material / of the enclosure

Metal/plastic

design, dimensions and weights

width

50 mm

height

140 mm

depth

125 mm

net weight

550 g

product feature / conformal coating

Yes

fastening method

- | | |
|-----------------------------------|-----|
| • S7-300 rail mounting | Yes |
| • S7-1500 rail mounting | Yes |
| • 35 mm top hat DIN rail mounting | Yes |
| • wall mounting | No |

ambient conditions

ambient temperature

- | | |
|--------------------|----------------|
| • during operation | -40 ... +70 °C |
|--------------------|----------------|

<ul style="list-style-type: none"> • during storage • during transport 	-40 ... +85 °C
protection class IP	-40 ... +85 °C
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> • silicon-free 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity • UL approval 	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	ATEX II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X, EN 60079-15 : 2010, EN 60079-0 : 2009, FM Class3611, FM Hazardous Location Electrical Equipment Non Incendive / Class I / Division 2 / Groups A,B,C,D / T4, FM Non Incendive / Class I / Zone 2 / Group IIC / T4, cULus for Hazardous Location ANS/ISA 12.12.01-2007, CSA C22.2 No. 213-M1987, Approved for use in Cl. 1, DIV. 2, GPA, B, C, D T4 and Cl. 1, Zone 2, GP IIC T4
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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