

Product type designation
Product description

SCALANCE XC100-4OBR, MM
Optical bypass relay for multi-mode fiber-optic networks with Tap function
SCALANCE XC100-4OBR; Optical bypass relay; LED diagnostics; Error-signaling contact and set button; redundant power supply; incl. electronic manual on CD-ROM 4x optical SC ports; Multimode FOC



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 multimode / Integrated	4
Design of the optical interface / for network components or terminal equipment	SC
Transmission loss	
• at Rx-In P1 and Tx-Out P2	4.5 dB
• at Rx-In P2 and Tx-Out P1	4.5 dB
• at Rx-In P1 and Tx-Out P1'	6 dB
• at Rx-In P2 and Tx-Out P2'	6 dB
• at Rx-In P1' and Tx-Out P1	1.5 dB
• at Rx-In P2' and Tx-Out P2	1.5 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
Mounting type	
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
• 35 mm DIN rail mounting	Yes
• wall mounting	No
Ambient conditions	
Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Protection class IP	IP20
Product features, product functions, product components / general	
Product feature	
• silicon-free	Yes
Standards, specifications, approvals	
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 ANSI/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
Certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
Further information / Internet-Links	
Internet-Link	

- to website: Selector SIMATIC NET SELECTION TOOL
- 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

last modified:

<http://www.siemens.com/snst>

<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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