

product type designation	XC100-4OBR, SM, line topology
product description	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	
<ul style="list-style-type: none"> • 2 / for Industrial Ethernet 	100 Mbit/s
<ul style="list-style-type: none"> • 3 / for Industrial Ethernet 	1000 Mbit/s
interfaces	
number of 100 Mbit/s SC ports	
<ul style="list-style-type: none"> • for single mode (LD) / integrated 	4
design of the optical interface / for network components or terminal equipment	SC
transmission loss	
<ul style="list-style-type: none"> • at Rx-In P1 and Tx-Out P2 	1.2 dB
<ul style="list-style-type: none"> • at Rx-In P2 and Tx-Out P1 	1.2 dB
<ul style="list-style-type: none"> • at Rx-In P1 and Tx-Out P1' 	1.2 dB
<ul style="list-style-type: none"> • at Rx-In P2 and Tx-Out P2' 	1.2 dB
<ul style="list-style-type: none"> • at Rx-In P1' and Tx-Out P1 	1.2 dB
<ul style="list-style-type: none"> • at Rx-In P2' and Tx-Out P2 	1.2 dB
supply voltage	
type of voltage supply	DC
supply voltage / external	24 V
<ul style="list-style-type: none"> • minimum 	12 V
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> • S7-1500 rail mounting 	Yes
<ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	No
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +85 °C
protection class IP	IP20
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 	Yes

- 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

- to web page: selection aid TIA 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

<http://www.siemens.com/tia-selection-tool>
<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>

last modified:

11/9/2023 