SIEMENS

Show actual product details

Data sheet 6GK5100-4AV00-2DA2

Product type designation
Product description

SCALANCE XC100-4OBR, SM, line structure
Optical bypass relay for single-mode fiber-optic networks without Tap function
SCALANCE XC100-4OBR; OPTICAL BYPASS RELAIS; 4 X SM SC PORTS; FOR LINEAR NETWORKS, RED. ATTENUATION, LED-DIAGNOSIS; FAULT SIGNAL- CONTACT AND SET BUTTON; REDUNDANT POWER SUPPLY; INCL. ELECTRONIC MAN ON CD



Electrical data	
Transfer rate	100 Mbit/s, 1000 Mbit/s
Interfaces	
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

Subject to change without notice
© Copyright Siemens AG

• maximum	48 V
Consumed current / maximum	0.1 A

Mechanical data

Material / of the enclosure	Metal/plastic

Design, dimensions and weight

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

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Protection class IP	IP20

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 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
Certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax

Subject to change without notice
© Copyright Siemens AG

• to website: Industry Online Support	https://support.industry.siemens.com
last modified:	07/08/2016

Subject to change without notice
© Copyright Siemens AG