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Show actual product details

## Data sheet 6GK5100-4AV00-2FA2

**Product type designation**
Product description

**SCALANCE XC100-4OBR, SM**
Optical bypass relay for single-mode fiber-optic networks with Tap function
SCALANCE XC100-4OBR; OPTICAL BYPASS RELAY; 4 X SM SC PORTS; 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 | 4.1 dB |
| • at Rx-In P2 and Tx-Out P1 | 4.1 dB |
| • at Rx-In P1 and Tx-Out P1' | 5.7 dB |
| • at Rx-In P2 and Tx-Out P2' | 5.7 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 |


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| | |
|---|---|
| • 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 |


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