

product type designation

product description

MM991-2LD (SC)

XR-300 media module

SCALANCE X accessory; Media module MM991-2LD; 2x 100 Mbit/s SC-ports, optical; single-mode optical up to max. 26 km.



interfaces

| | |
|---|----------------------|
| number of electrical/optical connections / for network components or terminal equipment / maximum | 2 |
| number of optical interfaces / for network components or terminal equipment / maximum | 2 |
| number of 100 Mbit/s SC ports / for multimode / integrated | 2 |
| design of the optical interface / for network components or terminal equipment | SC |
| wavelength / of the optical interface | 1310 nm; Single-mode |
| connectable optical power relative to 1 mW | |
| • of the transmitter output / minimum | -15 dB |
| • of the transmitter output / maximum | -8 dB |
| • of the receiver input / maximum | -3 dB |
| optical sensitivity relating to 1 mW / of the receiver input / minimum | -32 dB |
| attenuation factor / of the FOC transmission link / minimum necessary | 0 dB |
| range / at the optical interface / depending on the optical fiber used | 0 ... 26 km |

ambient conditions

| | |
|--|----------------|
| ambient temperature | |
| • during operation | -40 ... +70 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °C |
| relative humidity / at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |

design, dimensions and weights

| | |
|-------------------------------------|--------------|
| design | Media module |
| width | 60 mm |
| height | 22 mm |
| depth | 100 mm |
| net weight | 0.08 kg |
| fastening method | latched |
| • installation in media module slot | Yes |

standards, specifications, approvals

| | |
|----------------------|--|
| standard | |
| • for FM | FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |
| • for hazardous zone | EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X |

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|---|--|
| <ul style="list-style-type: none"> • for safety / from CSA and UL • for hazardous zone / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 EN 61000-6-4:2007 (Class A) EN 61000-6-2:2005 |
| certificate of suitability <ul style="list-style-type: none"> • CE marking • C-Tick • KC approval • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking | EN 61000-6-2:2005, EN 61000-6-4:2007 Yes Yes Yes Yes Ex nA IIC T4 Gc |
| Marine classification association <ul style="list-style-type: none"> • French marine classification society (BV) | Yes |
| MTBF | 115 a |

further information / internet links

| | |
|--|---|
| internet link <ul style="list-style-type: none"> • 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 |
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