

Product-type designation

MM991-2LH+

SCALANCE X ACCESSORY,
MEDIA MODULE MM991-2LH+,
2 X 100MBIT/S SC-PORTS OPTICAL SINGLEMODE
GLASS UP TO MAX. 70 KM



Transmission rate

Transfer rate / 1 100 Mbit/s

Interfaces

| | |
|--|----------------------------------|
| Number of electrical/optical connections / for network components or terminal equipment / maximum | 2 |
| Number of optical interfaces / for optical waveguide | 2 |
| <ul style="list-style-type: none"> • at 100 Mbit/s | |
| Design of optical interface / for optical waveguide | |
| <ul style="list-style-type: none"> • at 100 Mbit/s | SC port (singlemode up to 70 km) |
| Connectable optical power relative to 1 mW | |
| <ul style="list-style-type: none"> • of the transmitter output • of the receiver input / maximum | -5 ... +0 dB -3 dB |
| Optical sensitivity relative to 1 mW / of the receiver input / minimum | -34 dB |
| Attenuation / of fiber-optic cable transmission link / minimum necessary | 3 dB |
| Range / at the optical interface / depending on the optical fiber used | 12 ... 70 km |

Permitted ambient conditions

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|--|----------------------------|
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operating • during storage | 0 ... 70 °C 0 ... 70 °C |

| | |
|--|--|
| <ul style="list-style-type: none"> during transport | 0 ... 70 °C |
| Relative humidity / at 25 °C / without condensation / during operating / maximum | 95 % |
| Protection class IP | IP20 |
| Design, dimensions and weight | |
| Design | Media module |
| Width | 60 mm |
| Height | 22 mm |
| Depth | 100 mm |
| Net weight | 0.08 kg |
| Type of mounting | |
| <ul style="list-style-type: none"> Installation in media module slot | Yes |
| Standards, specifications, approvals | |
| Standard | |
| <ul style="list-style-type: none"> for EMC / from FM | FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |
| <ul style="list-style-type: none"> for hazardous zone | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X |
| <ul style="list-style-type: none"> for safety / of CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| <ul style="list-style-type: none"> for hazardous area / of CSA and UL | 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 |
| <ul style="list-style-type: none"> for emitted interference | EN 61000-6-4:2007 (Class A) |
| <ul style="list-style-type: none"> for interference immunity | EN 61000-6-2:2005 |
| Verification of suitability | EN 61000-6-2:2005, EN 61000-6-4:2007 |
| <ul style="list-style-type: none"> CE mark | Yes |
| <ul style="list-style-type: none"> C-Tick | Yes |
| <ul style="list-style-type: none"> KC approval | Yes |
| letzte Änderung: | May 28, 2012 |