

Product type designation

Product description

MM991-4LD

XR-300 media module

SCALANCE X accessory; Media module MM991-4LD; 4x 100 Mbit/s

BFOC ports, optical; single-mode optical up to max. 26 km



Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	4
Number of optical interfaces / for network components or terminal equipment / maximum	4
Number of 100 Mbit/s ST(BFOC) ports / for multimode / Integrated	4
Design of the optical interface / for network components or terminal equipment	ST/BFOC
Wavelength / of the optical interface	1310 nm; Single-mode
Connectable optical power relative to 1 mW	
<ul style="list-style-type: none"> • of the transmitter output / minimum • of the transmitter output / maximum • of the receiver input / maximum 	<p>-15 dB</p> <p>-8 dB</p> <p>-3 dB</p>
Optical sensitivity relating to 1 mW / of the receiver input / minimum	-34 dB
Damping ratio / of the FOC transmission link / minimum necessary	0 dB

Range / at the optical interface / depending on the optical fiber used	0 ... 26 km
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Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation 	0 ... 60 °C
<ul style="list-style-type: none"> during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> during transport 	-40 ... +85 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Design	Media module
Width	120.3 mm
Height	22.3 mm
Depth	275.5 mm
Net weight	0.3 kg
Mounting type	latched
<ul style="list-style-type: none"> Installation in media module slot 	Yes

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> for interference immunity 	EN 61000-6-2
Certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
<ul style="list-style-type: none"> CE marking 	Yes
<ul style="list-style-type: none"> C-Tick 	Yes
<ul style="list-style-type: none"> KC approval 	Yes
<ul style="list-style-type: none"> E1 approval 	No

Accessories

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com

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