# **SIEMENS**

# **Data sheet**

# 6GK5991-2AB00-8AA0

product type designation

product description

# MM991-2 (BFOC)

XR-300 media module

SCALANCE X accessory; Media module MM991-2; 2x 100 Mbit/s BFOC ports, optical; multimode optical up to max. 5 km.



electrical/optical connections / for network 2 ts or terminal equipment / maximum	
optical interfaces / for network components or quipment / maximum 2	
100 Mbit/s ST(BFOC) ports / for multimode / 2	
he optical interface / for network components or quipment ST/	/BFOC
h / of the optical interface 131	10 nm; Multi-mode
le optical power relative to 1 mW	
ne transmitter output / minimum -19	dB
ne transmitter output / maximum -14	dB
ne receiver input / maximum -3 c	dB
sitivity relating to 1 mW / of the receiver input / -32	dB
n factor / of the FOC transmission link / minimum 0 d	В
the optical interface / depending on the optical fiber 0	. 5 km
nditions	
mperature	
ng operation -40	+70 °C
ng storage -40	+85 °C
ng transport -40	+85 °C
midity / at 25 °C / without condensation / during / maximum 95	%
class IP IP2	20
ensions and weights	
Me	dia module
60	mm
22	mm
100	) mm
0.0	8 kg
method late	ched
allation in media module slot	S
specifications, approvals	
FM FM T4	3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC,
nazardous zone EN	60079-0: 2006, EN60079-15: 2005, II 3(2) G Ex nA [op is] IIC T4 DEKRA
method lato Yes specifications, approvals  FM FM T4	0 mm 8 kg ched s s 3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Gro

11 ATEX 0060 X • for safety / 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, • for hazardous zone / from CSA and UL Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4 • for emitted interference EN 61000-6-4:2007 (Class A) • for interference immunity EN 61000-6-2:2005 certificate of suitability EN 61000-6-2:2005, EN 61000-6-4:2007 Yes CE marking C-Tick Yes Yes KC approval • CCC / for hazardous zone according to GB standard Yes; GB3836.1, GB3836.8 • CCC / for hazardous zone according to GB standard / as Ex nA IIC T4 Gc marking Marine classification association • French marine classification society (BV) Yes

140 a

## further information / internet links

#### internet link

MTBF

• to web page: selection aid TIA Selection Tool

• to website: Industrial communication

• 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

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

#### security information

security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

## Approvals / Certificates

## **General Product Approval**



Manufacturer Declaration Declaration of Conformity







#### For use in hazardous locations

Marine / Shipping





<u>FM</u>

CCC-Ex





### Marine / Shipping







NK / Nippon Kaiji Kyokai





Railway	Environment			
Confirmation	Confirmation			
last modified:		4/4/2024 🖸		