

### product type designation

### product description

### MM992-2SFP (conformal coating)

### XR-300 media module

SCALANCE X accessory; Media module MM992-2SFP; with Conformal Coating; 2x 100/1000 Mbit/s for SFP Plug-in transceiver.



### product brand name

SCALANCE

### Technical Product Detail Page

<https://i.siemens.com/1P6GK5992-2AS00-8FA0>

### interfaces

number of electrical/optical connections / for network components or terminal equipment / maximum

2

number of electrical connections

- for SFP / plug-in

2

### ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-40 ... +70 °C

-40 ... +85 °C

-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

product feature / conformal coating

Yes

fastening method

latched

- installation in media module slot

Yes

### standards, specifications, approvals

standard

- for FM
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4

EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X

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

EN 61000-6-2:2005, EN 61000-6-4:2007

- CE marking

Yes

- C-Tick

Yes

|                                                                                                                                                                                                        |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <ul style="list-style-type: none"> <li>• KC approval</li> <li>• CCC / for hazardous zone according to GB standard</li> <li>• CCC / for hazardous zone according to GB standard / as marking</li> </ul> | Yes<br>Yes; GB3836.1, GB3836.8<br>Ex nA IIC T4 Gc |
| MTBF                                                                                                                                                                                                   | 250 a                                             |

#### standards, specifications, approvals / Environmental Product Declaration

|                                                                                                                                                    |                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Environmental Product Declaration                                                                                                                  | Yes                                       |
| global warming potential [CO2 eq]                                                                                                                  |                                           |
| <ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul> | 23.99 kg<br>10.1 kg<br>13.79 kg<br>0.1 kg |

#### further information / internet links

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| internet link                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a><br><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a><br><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a><br><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

#### security information

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| security information | <p>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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a>. (V4.7)</p> |
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#### Approvals / Certificates

##### General Product Approval



EG-Konf.

[Declaration of Conformity](#)



RCM



EG-Konf.

[China RoHS](#)

| General Product Approval | For use in hazardous locations | Environment |
|--------------------------|--------------------------------|-------------|
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|                          |                                |             |
|                          |                                |             |

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