

## Data sheet

6GK5991-4AB00-8AA0

### product description

XR-300 media module

SCALANCE X accessory; Media module MM991-4; 4x 100 Mbit/s BFOC ports, optical; multimode optical up to max. 5 km.



Technical Product Detail Page

<https://i.siemens.com/1P6GK5991-4AB00-8AA0>

### 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; Multi-mode       |
| connectable optical power relative to 1 mW <ul style="list-style-type: none"> <li>• of the transmitter output / minimum</li> <li>• of the transmitter output / maximum</li> <li>• of the receiver input / maximum</li> </ul> | -19 dB<br>-14 dB<br>-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 ... 5 km                |

### ambient conditions

|  |   |
|--|---|
| ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul> | 0 ... 60 °C<br>-40 ... +85 °C<br>-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  | 120.3 mm       |
| height   | 22.3 mm        |
| depth  | 275.5 mm       |
| net weight   | 0.3 kg         |
| fastening method <ul style="list-style-type: none"> <li>• installation in media module slot</li> </ul> | latched<br>Yes |

### standards, specifications, approvals

|   |                                   |
|---|-----------------------------------|
| standard <ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> </ul> | UL 60950-1, CSA C22.2 No. 60950-1 |
|---|-----------------------------------|

|   |   |
|---|---|
| • for emitted interference<br>• for interference immunity   | EN 61000-6-4 (Class A)<br>EN 61000-6-2  |
| certificate of suitability<br><br>• CE marking<br>• C-Tick<br>• KC approval<br>• CCC / for hazardous zone according to GB standard<br>• CCC / for hazardous zone according to GB standard / as marking<br>• E1 approval | EN 61000-6-2:2005, EN 61000-6-4:2007<br>Yes<br>Yes<br>Yes<br>Yes; GB3836.1, GB3836.8<br>Ex nA IIC T4 Gc<br>No |
| Marine classification association<br><br>• French marine classification society (BV)  | Yes   |

| standards, specifications, approvals / Environmental Product Declaration  |   |
|---|---|
| Environmental Product Declaration   | Yes   |
| global warming potential [CO2 eq]<br><br>• total<br>• during manufacturing<br>• during operation<br>• after end of life | 141.61 kg<br>10.1 kg<br>131.41 kg<br>0.1 kg |

| further information / internet links   |   |
|--|---|
| internet link<br><br>• to website: Selection guide for cables and connectors<br>• to web page: selection aid TIA Selection Tool<br>• to website: Industrial communication<br>• to web page: SiePortal<br>• to website: Image database<br>• to website: CAx-Download-Manager<br>• to website: Industry Online Support | <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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| Approvals / Certificates |  |
|--------------------------|--|
| General Product Approval |  |



[Declaration of Conformity](#)



[China RoHS](#)



| General Product Approval | EMV | For use in hazardous locations |
|--------------------------|-----|--------------------------------|
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okai](#)



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