

## Data sheet

6GK6000-8FB53-0AA0

|                           |                                                                                                                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product type designation  | <b>RUGGEDCOM SFP1132-1BX40R</b><br>RUGGEDCOM Accessory, Bi-directional SFP, 1000BASE-BX-U, 1 X 1000MBIT/S, LC-Interface, Optical: Single Mode Fiber Optic up to max. 40km, 1310nm TX/1490nm RX, -40...+85 Degrees Celcius compatible to RUGGEDCOM products with SFP-Slot |
| Suitability for operation |                                                                                                                                                                                                                                                                          |

### Interfaces

|                                                                                                   |       |
|---------------------------------------------------------------------------------------------------|-------|
| Number of electrical/optical connections / for network components or terminal equipment / maximum | 1     |
| Number of optical interfaces / for network components or terminal equipment / maximum             | 1     |
| Number of 1000 Mbit/s LC ports / for multimode / Integrated                                       | 1     |
| Design of the optical interface / for network components or terminal equipment                    | LC    |
| Range / at the optical interface / depending on the optical fiber used                            | 40 km |

### Ambient conditions

|                                                                                                                                    |                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature                                                                                                                |                                                                                                                                           |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>Note</li> </ul> | -40 ... +85 °C<br>-40 ... +85 °C<br>-40 ... +85 °C<br>A maximum operating temperature of +85 °C is permissible for a duration of 16 hours |
| Relative humidity / at 25 °C / without condensation / during operation / maximum                                                   | 95 %                                                                                                                                      |

### Design, dimensions and weights

|                                     |            |
|-------------------------------------|------------|
| Design                              | SFP Module |
| Width                               | 14 mm      |
| Height                              | 9 mm       |
| Depth                               | 57 mm      |
| Net weight                          | 0.01 kg    |
| Product feature / conformal coating | No         |
| Mounting type                       | latched    |

### Standards, specifications, approvals

|                                                                                                                                                     |                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Standard                                                                                                                                            |                                                                             |
| <ul style="list-style-type: none"> <li>for safety / from CSA and UL</li> <li>for emitted interference</li> <li>for interference immunity</li> </ul> | UL 60950-1, CSA C22.2 No. 60950-7<br>EN 61000-6-4 (Class A)<br>EN 61000-6-2 |

|                            |                                              |
|----------------------------|----------------------------------------------|
| Laser protection class     | Complies with 21 CFR chapter 1, subchapter J |
| Certificate of suitability | EN 61000-6-2, EN 61000-6-10                  |
| • CE marking               | Yes                                          |
| • C-Tick                   | No                                           |
| • KC approval              | No                                           |
| • E1 approval              | No                                           |
| • IEC 61850-3              | Yes                                          |

#### Further information / Internet-Links

##### Internet-Link

|                                                  |                                                                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| • to website: Industry Mall/RUGGEDCOM selector   | <a href="http://ruggedcom-selector.automation.siemens.com">http://ruggedcom-selector.automation.siemens.com</a> |
| • to website: Siemens RUGGEDCOM                  | <a href="http://siemens.com/ruggedcom">http://siemens.com/ruggedcom</a>                                         |
| • to website: Selector for cables and connectors | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                                           |
| • to website: Industrial communication           | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                             |
| • to website: Industry Mall                      | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                               |
| • to website: Information and Download Center    | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>             |
| • to website: Image database                     | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>                         |
| • to website: CAx Download Manager               | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                             |
| • to website: Industry Online Support            | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                         |

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