

### product type designation

**RUGGEDCOM SFP2133-1ZR80**

RUGGEDCOM Accessory, SFP+, 1 X 10.000MBIT/S, 10GBASE-ZR, LC- Interface, Optical: Single Mode Fiber Optic up to max. 80km, 1550nm, -40...+85 Degrees Celsius



Figure similar

Technical Product Detail Page

<https://l.siemens.com/1P6GK6000-8FT52-0AA0>

### 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 10 Gbit/s LC ports (LX)	1
design of the optical interface / for network components or terminal equipment	LC
range / at the optical interface / depending on the optical fiber used	80 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 -40 ... +85 °C -40 ... +85 °C 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

width	14 mm
height	9 mm
depth	57 mm
net weight	0.01 kg
product feature / conformal coating	No

### 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 EN 61000-6-4 (Class A) EN 61000-6-2
laser protection class	21 CFR Chapter 1, Subchapter J
certificate of suitability	EN 61000-6-2, EN 61000-6-10
<ul style="list-style-type: none"> <li>CE marking</li> <li>C-Tick</li> <li>KC approval</li> <li>E1 approval</li> <li>IEC 61850-3</li> </ul>	Yes No No No Yes

### further information / internet links

internet link

- to website: Selection guide for cables and connectors
- to website: Industry Mall/RUGGEDCOM selector
- to website: Industrial communication
- to website: Siemens RUGGEDCOM
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

- <https://support.industry.siemens.com/cs/ww/en/view/109766358>
- <https://www.siemens.com/ruggedcom-selector>
- <https://www.siemens.com/simatic-net>
- <https://www.siemens.com/ruggedcom>
- <https://sieportal.siemens.com/>
- <https://www.automation.siemens.com/bilddb>
- <https://www.siemens.com/cax>
- <https://support.industry.siemens.com>

security information

security information

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Approvals / Certificates

General Product Approval

other

[Manufacturer Declaration](#)



[inspection certificate](#)

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