

**Product type designation**  
(product description)

**STP991-1LD**

Pluggable for SCALANCE XM408-4C, 1 x 100 Mbit/s ST/BFOC port, singlemode glass up to 26 km  
SCALANCE X accessory STP 991-1LD; Pluggable for SCALANCE XM-400; 1x 100 Mbit/s ST/BFOC port, optical; single-mode optical up to max. 26 km



Suitability for operation

SCALANCE XM-408-4C

### 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 100 Mbit/s ST(BFOC) ports / for multimode / Integrated	1
Design of the optical interface / for network components or terminal equipment	ST/BFOC
Wavelength / of the optical interface	1310 nm; Single-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>	<p>-15 dB</p> <p>-8 dB</p> <p>-3 dB</p>
Optical sensitivity relating to 1 mW / of the receiver input / minimum	-34 dB

Damping ratio / of the FOC transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 26 km

### Permitted 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>	<p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>A maximum ambient operating temperature of +85 °C is permissible for a duration of 16 hours</p>
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

### Design, dimensions and weight

Design	Plug-in transceiver
Width	25.4 mm
(height)	10.2 mm
Depth	56.5 mm
(net weight)	0.06 kg
<ul style="list-style-type: none"> <li>(mounting type)</li> </ul>	latched, only with SCALANCE XM408-4C

### Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> <li>for emitted interference</li> <li>for interference immunity</li> </ul>	<p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p>
<ul style="list-style-type: none"> <li>(certificate of suitability)</li> <li>Certificate of suitability / CE marking</li> <li>Certificate of suitability / C-Tick</li> <li>Certificate of suitability / KC approval</li> </ul>	<p>EN 61000-6-2, EN 61000-6-4</p> <p>Yes</p> <p>Yes</p> <p>No</p>

### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx Download Manager</li> <li>to website: Industry Online Support</li> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

**last modified:** 04/13/2019