

product type designation

product description

IE FC M12 Plug PRO 4X2

FC M12 plug-in connector in high degree of protection, 8-pin, X-coded

IE FC M12 Plug PRO 4x 2; M12 plug-in connector with Rugged metal enclosure and FC Connection method; with axial cable outlet (X-coded) 1 pack = 8 units for SCALANCE W and SCALANCE X.



Technical Product Detail Page

<https://l.siemens.com/1P6GK1901-0DB50-6AA8>

suitability for use

For connecting electrical cables to SCALANCE W (M12 gigabit interface) for fast assembly with the FastConnect system

transfer rate

transfer rate / for Industrial Ethernet	10, 100, 1000 Mbit/s
transfer rate / for Industrial Ethernet	10000 Mbit/s

interfaces

number of electrical connections	
<ul style="list-style-type: none"> for Industrial Ethernet FC TP cables 	8
<ul style="list-style-type: none"> for network components or terminal equipment 	1
type of electrical connection	
<ul style="list-style-type: none"> for Industrial Ethernet FC TP cables 	integrated insulation-displacement contacts for 8-wire TP FC installation cables AWG24/AWG26
<ul style="list-style-type: none"> for network components or terminal equipment 	M12 plug (X-coded, male)
type of electrical connection / FastConnect	Yes

mechanical data

material / of the enclosure	metal
locking mechanism design	Screwed joint
tightening torque / for M12 round connector / maximum	0.6 N·m
connector coding / of the M12 circular connector	X

design, dimensions and weights

type of cable outlet	180° cable outlet
width	17.6 mm
height	17.6 mm
depth	70.7 mm
net weight	48 g
connectable cable cross-section	6.5 ... 8 mm
connectable conductor cross-section	0.21 ... 0.33 mm ²

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +85 °C
<ul style="list-style-type: none"> during storage 	-50 ... +100 °C
<ul style="list-style-type: none"> during transport 	-50 ... +100 °C
chemical resistance	
<ul style="list-style-type: none"> to water 	resistant
protection class IP	IP65/67

product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> PoE capability PoE+ capability silicon-free 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
product component	
<ul style="list-style-type: none"> strain relief 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity UL approval cULus approval railway application in accordance with EN 50155 fire protection according to EN 45545-5 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
standard for structured cabling	Cat6A
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
security information	
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Approvals / Certificates	
General Product Approval	Industrial Communication



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