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Data sheet 6GK1901-0DB40-6AA8

product type designation	**IE FC M12 Cable Connector PRO (PROFINET)**
product description	M12 connector with socket insert with high protection class, 8-pole, X-coded IE FC M12 Cable Connector PRO 4x 2 M12 plug-in connectors that can be assembled in the field (X-coded); 8-pole; metal enclosure; FC quick-connect technology; Female contact insert; 1 pack=8 units



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 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10000 Mbit/s
interfaces	
number of electrical connections	
• for Industrial Ethernet FC TP cables	8
• for network components or terminal equipment	1
type of electrical connection	
• for Industrial Ethernet FC TP cables	integrated cut-and-clamp contacts for 8-wire TP FC installation cable AWG24
• for network components or terminal equipment	M12 connector (X-coded)
type of electrical connection / FastConnect	Yes
mechanical data	
material / of the enclosure	metal
locking mechanism design	Screwed joint

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design, dimensions and weights	
type of cable outlet	180° cable outlet
width	16.8 mm
height	16.8 mm
depth	49 mm
net weight	40 g
connectable cable cross-section	6.5 ... 8 mm

ambient conditions	
ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
chemical resistance	
• to water	resistant
protection class IP	IP65/67

product features, product functions, product components / general	
product feature	
• PoE capability	Yes
• PoE+capability	Yes
• silicon-free	Yes
product component	
• strain relief	Yes

standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
• cULus approval	Yes
• railway application in accordance with EN 50155	Yes
• fire protection in accordance with EN 45545-2	Yes
standard for structured cabling	Cat6A

further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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