SIEMENS

Data sheet	6GK1901-0DB30-6AA8

Product type designation	IE FC M12 Plug PRO (PROFINET)
Product description	M12-Connector with high protection, 8-pole, X-coded Industrial Ethernet FastConnect 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

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	Screw
Type of cable outlet	180° cable outlet

Width	16.8 mm
Height	16.8 mm
Depth	52 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 website: Selector SIMATIC NET 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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