MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GK1905-0EB10

PROFIBUS FASTCONNECT M12 PLUG

Used with the applicable SIMATIC NET PROFIBUS configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6GK1905-0EB10 manufacturer technical data; applicable specification pages.

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Data sheet 6GK1905-0EB10

Product type designation	**PB FC M12 Cable Connector PRO**
Product description	M12 connector with socket insert, 5-pole, B-coded PB FC M12 CABLE CONNECTOR PRO, M12 PLUG CONNECTOR, WITH RUGGED METAL AND FC CONNECTING METHOD, WITH AXIAL CABLE OUTLET, FOR USE WITH ET200PRO, SOCKET CONNECTOR, (B CODED) PACKAGING UNIT 5 PIECES



Suitability for use	For connecting electrical PB FC bus cables to ET200 PRO, suitable for fast assembly with the FastConnect system
Transmission rate	
Transfer rate / with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Interfaces	
Number of electrical connections	
• for PROFIBUS cables	1
• for network components or terminal equipment	1
Type of electrical connection	
• for PROFIBUS cables	Integrated insulation displacement contacts for 2-core PB FC installation cables
• for network components or terminal equipment	M12 connector (female insert, 5-pin, B-coded)
Type of electrical connection / FastConnect	Yes
Mechanical data	
Material / of the enclosure	metal
Number of reuses	10
Design, dimensions and weight	
Type of cable outlet	180° cable outlet
Width	19 mm
Height	19 mm
Depth	73 mm
Net weight	40 g

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Permitted 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 properties, functions, components / general	
Product property	
• 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	No

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/automation/net/catalog
• 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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