SIMATIC NET PROFIBUS

Product Data Sheet

6GK1905-0EB10

PROFIBUS FastConnect M12 Plug

CONNECTOR INSERT	MECHANICAL CODING	CABLE ENTRY	CABLE TERMINATION
Female; 5-pin	**B-coded M12**	**Axial; 180 degrees**	**FastConnect IDC; 2-core PROFIBUS cable**

Siemens 6GK1905-0EB10 is the PROFIBUS FastConnect M12 plug PRO with a five-pin female insert and B coding. An axial 180-degree cable entry and IDC termination connect the specified two-core PROFIBUS FastConnect cable. The metal assembly is designed for the documented PROFIBUS rate range from 9.6 kbit/s to 12 Mbit/s.

01 TECHNICAL DATA

Connector insert	Female; 5-pin
Mechanical coding	B-coded M12
Cable entry	Axial; 180 degrees
Cable termination	FastConnect IDC; 2-core PROFIBUS cable
Transmission-rate range	9.6 kbit/s to 12 Mbit/s
Housing material	Metal
Reuse allowance	10 terminations
Ingress protection	IP65 / IP67 when correctly assembled
Operating ambient	-40 to 85 degrees C
Strain relief	Integrated

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

02 ADDITIONAL PRODUCT DATA

Silicone-free construction	Yes

03 PRODUCT FUNCTION

The connector incorporates strain relief and is specified as silicone-free. Correct assembly provides the stated IP65/IP67 protection, with an operating ambient of -40 to 85 degrees C. Siemens lists a reuse allowance of ten terminations. Cable preparation, insert orientation and tightening must follow the FastConnect assembly instructions to retain contact quality and environmental sealing.

04 SYSTEM COMPATIBILITY

Prepare the cable to the prescribed FastConnect stripping dimensions and seat the conductors in the IDC termination. Maintain the shield connection and integrated strain relief. The published transmission-rate range depends on the complete PROFIBUS cable arrangement, not the plug alone.

05 REFERENCE

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

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