

Data sheet

6GK1905-0EB10-6AA0

product type designation

product description



PB FC M12 Cable Connector PRO

M12 connector with socket insert, 5-pole, B-coded

PROFIBUS FC M12 Cable connector PRO, M12 plug-in connector with rugged metal enclosure and FC connection system, with axial cable outlet, for use with ET 200 PRO, female contact insert (B-coded) 1 pack = 1 unit.

Technical Product Detail Page

<https://i.siemens.com/1P6GK1905-0EB10-6AA0>

suitability for use

For connecting electrical PB FC bus cables to ET200 PRO, suitable for fast assembly with the FastConnect system

transfer rate

transfer rate / with PROFIBUS

9.6 kbit/s ... 12 Mbit/s

interfaces

number of electrical connections

1
1

- for PROFIBUS cables
- for network components or terminal equipment

type of electrical connection

Integrated insulation displacement terminals for 2-core PB FC installation cables

- for PROFIBUS cables

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

locking mechanism design

Screwed joint

tightening torque / for M12 round connector / maximum

0.6 N·m

connector coding / of the M12 circular connector

B

design, dimensions and weights

type of cable outlet

180° cable outlet

width

19 mm

height

19 mm

depth

73 mm

net weight

40 g

connectable cable cross-section

6 ... 8 mm

connectable conductor cross-section

0.33 mm²

ambient conditions

ambient temperature

-40 ... +85 °C
-40 ... +85 °C
-40 ... +85 °C

- during operation
- during storage
- during transport

chemical resistance

resistant

- to water

protection class IP

IP65/67

product features, product functions, product components / general

product feature	Yes
• silicon-free	
product component	Yes
• strain relief	
standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
• UL approval	Yes
• cULus approval	Yes
• railway application in accordance with EN 50155	No
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	0.32 kg
• during manufacturing	0.28 kg
• during operation	0.01 kg
• after end of life	0.03 kg
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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Approvals / Certificates
General Product Approval



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