

### product type designation

product description

### PB FC M12 Plug PRO

M12 connector with pin insert, 4-pole, B-coded

PROFIBUS FC M12 plug PRO M12 plug-in connector with rugged metal enclosure and FC connection system, with axial cable outlet, for use with ET 200 PRO, pin insert (B-coded) 1 pack=5 units.



### 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

- for PROFIBUS cables
- for network components or terminal equipment

1  
1

type of electrical connection

- for PROFIBUS cables
- for network components or terminal equipment

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

M12 connector (male insert, 4-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 mm<sup>2</sup>

### ambient conditions

ambient temperature

- during operation
- during storage
- during transport

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

chemical resistance

- to water

resistant

protection class IP

IP65/67

### product features, product functions, product components / general

product feature

- silicon-free

Yes

product component	
<ul style="list-style-type: none"> <li>• strain relief</li> </ul>	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• UL approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• cULus approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• railway application in accordance with EN 50155</li> </ul>	No
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2:2019</li> </ul>	XGA
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> <li>• total</li> </ul>	0.32 kg
<ul style="list-style-type: none"> <li>• during manufacturing</li> </ul>	0.28 kg
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	0.01 kg
<ul style="list-style-type: none"> <li>• after end of life</li> </ul>	0.03 kg
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com">https://sieportal.siemens.com</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	<b>Test Certificates</b>
<a href="#">Declaration of Conformity</a>	
	<a href="#">China RoHS</a>
	<a href="#">Special Test Certificate</a>
<b>Environment</b>	
	

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