SIEMENS

product type designation	**PB FC M12 Plug PRO**
product description	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	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 (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 mm²

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	
● silicon-free	Yes
product component	

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● 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 web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
● 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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