SIEMENS

Data sheet

6ES7972-0BA52-0XA0

product type designation

product description



PROFIBUS connector

PROFIBUS bus connector, RS 485, Fast Connect, without programming port, 90°

SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, Insulation displacement method FastConnect, without PG socket 15.8x 59x 35.6 mm (BxHxD)

transfer rate transfer rate virth PROFIBUS DP g. 6 kbit/s 12 Mbit/s Interfaces number of electrical connections	suitability for use	For connecting PROFIBUS stations to the PROFIBUS bus cable
number of electrical connections	transfer rate	
number of electrical connections	transfer rate / with PROFIBUS DP	9.6 kbit/s 12 Mbit/s
• for PROFIBUS cables • for network components or terminal equipment type of electrical connection • for PROFIBUS cables • for network components or terminal equipment type of electrical connection / FastConnect • for network components or terminal equipment type of electrical connection / FastConnect **Resistor combination integrated and connectable via slide switch material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet width **15.8 mm height depth ambient conditions ambient temperature • during operation • during storage • during transport or during transport product features, product functions, product components / general product features • silicon-free product component • PG connector Yes Integrated insulation displacement terminals for 2-core PB FC installation cables Sepin sub D connector Spin sub D connector	interfaces	
• for network components or terminal equipment type of electrical connection • for PROFIBUS cables • for network components or terminal equipment type of electrical connection / FastConnect • for network components or terminal equipment type of electrical connection / FastConnect **mechanical data** design of terminating resistor Resistor combination integrated and connectable via slide switch plastic locking mechanism design Screwed joint design, dimensions and weights type of cable outlet 90 degree cable outlet width 15.8 mm height 59 mm depth 35.6 mm and tempth 36 g ambient conditions ambient conditions ambient temperature • during operation	number of electrical connections	
type of electrical connection • for PROFIBUS cables Integrated insulation displacement terminals for 2-core PB FC installation cables • for network components or terminal equipment type of electrical connection / FastConnect **TestConnect** **TestConnector** **Test	 for PROFIBUS cables 	2
• for PROFIBUS cables • for network components or terminal equipment type of electrical connection / FastConnect **Test Connection / FastConnect** **Test Connection / FastConnector / Yes **Test Connection / Fast Connection / Fast Connection / Yes **Test Co	 for network components or terminal equipment 	1
• for network components or terminal equipment type of electrical connection / FastConnect mechanical data design of terminating resistor material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet width height depth net weight ambient conditions ambient temperature • during storage • during storage • during storage • during storage • during transport product feature • silicon-free product component • PG connection soket • Standards, specifications, approvals certificate of suitability	type of electrical connection	
type of electrical connection / FastConnect mechanical data	• for PROFIBUS cables	
mechanical data design of terminating resistor material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet width height depth net weight ambient temperature during operation during storage during transport protection class IP product feature silicon-free product component PG connection scaket standards, specifications, approvals certificate of suitability Resistor combination integrated and connectable via slide switch plastic Resistor combination integrated and connectable via slide switch plastic Resistor combination integrated and connectable via slide switch plastic Screwed joint design, dimension and weights 90 degree cable outlet 15.8 mm 15.8 mm 15.8 mm 15.8 mm 15.9 mm 16.9 c 16.0 °C 25 +60 °C 40 +70 °C 17.0 °	 for network components or terminal equipment 	9-pin sub D connector
design of terminating resistor material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet width height depth net weight ambient conditions ambient temperature during operation during transport protection class IP product features o silicon-free product component PG connection socket standards, specifications, approvals certificate of suitability Resistor combination integrated and connectable via Slide switch plastic Screwed joint Pdestic Pdestid Pdestic Pdestid Pdes	type of electrical connection / FastConnect	Yes
material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet width 15.8 mm height depth 35.6 mm net weight 36 g ambient conditions ambient temperature • during operation • during storage • during transport protection class IP product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief standards, specifications, approvals certificate of suitability	mechanical data	
locking mechanism design design, dimensions and weights type of cable outlet width 15.8 mm height 490 degree cable outlet 15.8 mm height 59 mm 490 degree cable outlet 35.6 mm net weight 35.6 mm net weight 36 g ambient conditions ambient temperature 40 during operation 40 during storage 40 during storage 40 during transport 40 during transpo	· · · · · · · · · · · · · · · · · · ·	_
type of cable outlet width	material / of the enclosure	plastic
type of cable outlet width width 15.8 mm height depth 35.6 mm net weight 36 g ambient conditions ambient temperature	locking mechanism design	Screwed joint
width height height depth soft as form net weight ambient conditions ambient temperature during operation during storage during storage during transport protection class IP product features, product functions, product components / general product features, product functions, product components / general product component PG connection socket Standards, specifications, approvals certificate of suitability	design, dimensions and weights	
height depth 35.6 mm net weight 36 g ambient conditions ambient temperature • during operation -25 +60 °C • during storage -40 +70 °C • during transport -40 +70 °C protection class IP IP20 product features, product functions, product components / general product feature • silicon-free Yes product component • PG connection socket No • strain relief Yes standards, specifications, approvals certificate of suitability		
depth net weight ambient conditions ambient temperature • during operation • during storage • during transport protection class IP product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief standards, specifications, approvals certificate of suitability	width	15.8 mm
net weight ambient conditions ambient temperature • during operation • during storage • during transport • during transport protection class IP product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief standards, specifications, approvals certificate of suitability		59 mm
ambient conditions ambient temperature • during operation • during storage • during transport • during transport protection class IP product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief standards, specifications, approvals certificate of suitability	depth	35.6 mm
ambient temperature • during operation • during storage • during transport • product features, product components / general product feature • silicon-free • silicon-free • silicon-free • product component • PG connection socket • strain relief • yes standards, specifications, approvals certificate of suitability	net weight	36 g
 during operation during storage during transport during transport rotection class IP IP20 product features, product functions, product components / general product feature silicon-free product component PG connection socket strain relief Yes standards, specifications, approvals certificate of suitability	ambient conditions	
 during storage	ambient temperature	
• during transport protection class IP product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief standards, specifications, approvals certificate of suitability -40 +70 °C IP20 Product features Yes Yes Yes Standards, specifications, approvals	during operation	-25 +60 °C
protection class IP IP20 product features, product functions, product components / general product feature • silicon-free Yes product component • PG connection socket No • strain relief Yes standards, specifications, approvals certificate of suitability	during storage	-40 +70 °C
product features, product functions, product components / general product feature	 during transport 	-40 +70 °C
product feature • silicon-free product component • PG connection socket • strain relief Standards, specifications, approvals certificate of suitability	protection class IP	IP20
silicon-free product component PG connection socket strain relief standards, specifications, approvals certificate of suitability Yes Yes No Yes	product features, product functions, product components / general	
product component • PG connection socket • strain relief Standards, specifications, approvals certificate of suitability	product feature	
PG connection socket No strain relief Yes standards, specifications, approvals certificate of suitability	• silicon-free	Yes
• strain relief Yes standards, specifications, approvals certificate of suitability	product component	
standards, specifications, approvals certificate of suitability	 PG connection socket 	No
certificate of suitability	strain relief	Yes
	standards, specifications, approvals	
RoHS conformity Yes	certificate of suitability	
·	 RoHS conformity 	Yes

UL approval
reference code
 according to IEC 81346-2

further information / internet-Links

Internet-Link
 to website: Selection guide for cables and connectors

| https://sie.ag/2QdlxcP | https://sie.ag/2QdlxcP |

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last modified: