SIEMENS

Data sheet

6ES7972-0BB52-0XA0

product description



PROFIBUS bus connector, RS 485, Fast Connect, with programming port, 90°

SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s 90° cable outlet, Insulation displacement method FastConnect, With PG receptacle 15.8x 59x 35.6 mm (BxHxD)

transfer rate transfer rate / with PROFIBUS DP	suitability for use	for connecting PROFIBUS nodes to the PROFIBUS bus cable
Interfaces number of electrical connections • for PROFIBUS cables • for network components or terminal equipment type of electrical connection • for network components or terminal equipment type of electrical connection / FastConnect • for network components or terminal equipment type of electrical connection / FastConnect rechanical data design of terminating resistor material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet yof degree cable outlet width 15.8 mm height 59 mm depth 35.6 mm net weight ambient conditions ambient temperature • during operation • during storage • during transport of during transport product features, product functions, product components / general product reature • silicon-free product component • PG connection socket • strain relief • RAS Conformity Yes • OLL approval	transfer rate	
number of electrical connections • for PROFIBUS cables 2 • for network components or terminal equipment type of electrical connection • for network components or terminal equipment • for network components or terminal equipment type of electrical connection / FastConnect • for network components or terminal equipment type of electrical connection / FastConnect • ges mochanical data design of terminating resistor material / of the enclosure locking mechanism design Screwed joint design, dimensions and weights type of cable outlet width 15.8 mm height 99 degree cable outlet width 15.8 mm height 45 g ambient conditions ambient temperature • during operation • during operation • during operation • during transport -40 +70 °C 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 • RoHS conformity • Res	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 network components or terminal equipment type of electrical connection / FastConnect resonancial data design of terminating resistor 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 during operation • during operation • during operation • during storage • during transport product feature • silicon-free product component • PG connection / Past Connect Yes standards, specifications, approvals certificate of suitability Yes • Old Sonformity • Resistor combination integrated and connectable via slide switch miterial of the enclosure plastic 9-pin sub D connector Yes 9-pin sub D connector 1 1 1 1 1 1 1 1 1 1 1 1 1	interfaces	
• for network components or terminal equipment type of electrical connection • 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 15.8 mm teleph 159 mm depth 35.6 mm net weight 45 g ambient conditions ambient temperature • during operation • during storage • during transport protection class IP product features, product functions, product components / general product feature • strain relief standards, specifications, approvals certificate of suitability • Resistor combination Resistor combination integrated and connectable via slide switch plastic Screwed joint design, dimensions and connectable via slide switch plastic Screwed joint design, dimensions and weights 90 degree cable outlet 15.8 mm 15.9 mm 45.9 mm 45.9 mm 45.9 mm 45.9 mm 45.0 °C 40 +70 °C	number of electrical connections	
type of electrical connection • for network components or terminal equipment type of electrical connection / FastConnect Yes mechanical data design of terminating resistor 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 ambient conditions ambient temperature • during operation • during transport of during transport product features, product functions, product components / general product feature • strain relief PG connection supproval stead of Sutability • RoHS conformity Yes PS PS PS PS PS PS PS PS PS P	 for PROFIBUS cables 	2
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type of electrical connection / FastConnect mechanical data design of terminating resistor 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 net weight 45 g ambient conditions ambient temperature • during operation • during storage • during transport product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief *Yes **East Conformity • RoHS conformity • RoHS conformity • Ves • UL approval	type of electrical connection	
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 operation during storage during transport product features, product functions, product components e strain relief product specifications, approvals certificate of suitability e RoHS conformity Fes	 for network components or terminal equipment 	9-pin sub D connector
design of terminating resistor plastic plastic plastic locking mechanism design plastic screwed joint design, dimensions and weights per cable outlet product feature product feature plastic plastic plastic plastic standards, specifications, approvals careful plastic pla	type of electrical connection / FastConnect	Yes
material / of the enclosure locking mechanism design design, dimensions and weights type of cable outlet width height 59 mm depth net weight ambient conditions ambient temperature • during operation • during storage • during transport product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief strandards, specifications, approvals certificate of suitability • RoHS conformity • RoHS conformity • RoHS conformity • Ves Yes Yes Yes Yes Yes Ves	mechanical data	
locking mechanism design design, dimensions and weights type of cable outlet width	design of terminating resistor	Resistor combination integrated and connectable via slide switch
type of cable outlet width 15.8 mm height depth 35.6 mm net weight 45 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 • RoHS conformity • RoHS conformity Yes Yes	material / of the enclosure	plastic
type of cable outlet width 15.8 mm height 59 mm depth 35.6 mm net weight 45 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 connection socket • PG connection socket • Strain relief * Yes standards, specifications, approvals certificate of suitability • RoHS conformity • RoHS conformity Yes Yes Yes	locking mechanism design	Screwed joint
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height 59 mm depth 35.6 mm net weight 45 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 Yes • strain relief Yes standards, specifications, approvals certificate of suitability • RoHS conformity Yes • UL approval	type of cable outlet	90 degree cable outlet
depth net weight 45 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 • RoHS conformity • RoHS conformity • Yes • UL approval	width	15.8 mm
net weight ambient conditions ambient temperature • during operation • during storage • during transport • during transport protection class IP IP20 product features, product functions, product components / general product feature • silicon-free PG connection socket • PG connection socket • strain relief standards, specifications, approvals certificate of suitability • RoHS conformity • Ves • UL approval	height	59 mm
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 strain relief certificate of suitability • RoHS conformity • RoHS conformity • UL approval	depth	35.6 mm
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protection class IP product features, product functions, product components / general product feature • silicon-free PG connection socket • strain relief Standards, specifications, approvals certificate of suitability • RoHS conformity • UL approval	 during storage 	-40 +70 °C
product features, product functions, product components / general product feature	during transport	-40 +70 °C
product feature	protection class IP	IP20
 silicon-free product component PG connection socket strain relief Yes standards, specifications, approvals certificate of suitability RoHS conformity UL approval Yes 	product features, product functions, product components	/ general
product component PG connection socket strain relief Yes standards, specifications, approvals certificate of suitability RoHS conformity UL approval Yes	product feature	
PG connection socket strain relief Yes standards, specifications, approvals certificate of suitability RoHS conformity UL approval Yes Yes	• silicon-free	Yes
 strain relief standards, specifications, approvals certificate of suitability RoHS conformity UL approval Yes Yes 	product component	
standards, specifications, approvals certificate of suitability • RoHS conformity • UL approval Yes	 PG connection socket 	Yes
certificate of suitability • RoHS conformity • UL approval Yes	strain relief	Yes
RoHS conformityUL approvalYesYes	standards, specifications, approvals	
• UL approval Yes	certificate of suitability	
• • • • • • • • • • • • • • • • • • • •	 RoHS conformity 	Yes
reference code	UL approval	Yes
	reference code	