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 / with PROFIBUS DP transfer rate / with PROFIBUS DP solves number of electrical connections of or PROFIBUS cables of or network components or terminal equipment type of electrical connection of or PROFIBUS cables integrated insulation displacement terminals for 2-core PB FC installation cables of or network components or terminal equipment type of electrical connection / FastConnect of or network components or terminal equipment type of electrical connection / FastConnect mechanical 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 69 mm depth 35.6 mm net weight 35.6 mm net weight 35.6 mm ambient temperature of during operation of during storage during transport of during storage during transport product features, product functions, product components / general product features, product functions, product components / general product features, product functions, approvals certificate of suitability of RoHS conformity Yes	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 if or network components or terminal equipment type of electrical connection if or PROFIBUS cables integrated insulation displacement terminals for 2-core PB FC installation cables integrated insulation displacement terminals for 2-core PB FC installation cables integrated insulation displacement terminals for 2-core PB FC installation cables integrated insulation displacement terminals for 2-core PB FC installation cables installation cables installation cables integrated insulation displacement terminals for 2-core PB FC installation cables installation displacement terminals for 2-core PB FC installation cables installation cables installation cables installation cables installation cables installation displacement terminals for 2-core PB FC installation cables	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 **Test	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 **Total Acta** **Mechanical data** **design of terminating resistor	 for PROFIBUS cables 	2
• for PROFIBUS cables • for network components or terminal equipment type of electrical connection / FastConnect **Test Past Past Past Past Past Past Past Pa	 for network components or terminal equipment 	1
• for network components or terminal equipment type of electrical connection / FastConnect **Type of electrical connection / FastConnect **Type of electrical connection / FastConnect **Type of cable outlet plastic design, dimensions and weights **Type of cable outlet plastic depth 35.6 mm net weight 35.6 mm net weight ambient temperature • during storage 40+70 °C during storage 40+70 °C product feature elicitor, free product components / general **Pes Connection socket plastic plastic product product of suitability **Type of cable outlet plastic	type of electrical connection	
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 soft conditions ambient conditions ambient temperature o during operation o during transport protection class IP product feature silicon-free product component o PG connection scket o PG connection s, 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 Resistor combination integrated and connectable via slide switch plastic Screwed joint 90 degree cable outlet 90 degree	• for PROFIBUS cables	
mechanical data design of terminating resistor plastic plasti	 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 height depth net weight ambient conditions ambient temperature during operation during storage during transport protection class IP product features product feature e silicon-free product component eves tandards, specifications, approvals certificate of suitability Resistor combination integrated and connectable via silide switch plastic Screwed joint Pastic Past	type of electrical connection / FastConnect	Yes
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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 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	design of terminating resistor	Resistor combination integrated and connectable via slide switch
type of cable outlet width	material / of the enclosure	·
type of cable outlet width 15.8 mm height 59 mm depth 35.6 mm net weight 36 g ambient conditions ambient temperature • during operation • during storage • during storage • during transport protection class IP product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • Standards, specifications, approvals certificate of suitability	locking mechanism design	Screwed joint
width height depth soft of gradient of the strain relief width 15.8 mm 15	design, dimensions and weights	
height 59 mm 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	type of cable outlet	90 degree cable outlet
depth net weight 35.6 mm 36 g 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	width	15.8 mm
net weight ambient conditions ambient temperature • during operation • during storage • during transport • Jep20 product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief standards, specifications, approvals certificate of suitability	height	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		35.6 mm
ambient temperature • during operation • during storage • during transport • during transport • during transport • rotection 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	net weight	36 g
 during operation during storage during transport during transport 40 +70 °C protection 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 during transport during transport 40 +70 °C protection 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 temperature	
 during transport protection class IP IP20 IP20 product features, product functions, product components / general product feature • silicon-free		
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		
product features, product functions, product components / general product feature • silicon-free product component • PG connection socket • strain relief standards, specifications, approvals certificate of suitability		
product feature • silicon-free product component • PG connection socket • strain relief Standards, specifications, approvals certificate of suitability	·	
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 Yes standards, specifications, approvals certificate of suitability	product feature	
PG connection socket No strain relief Yes standards, specifications, approvals certificate of suitability		Yes
• strain relief Yes standards, specifications, approvals certificate of suitability		
standards, specifications, approvals certificate of suitability		
certificate of suitability		Yes
• RoHS conformity Yes		
	 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

Yes

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https://sie.ag/2QdlxcP

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