# **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	<ul> <li>for PROFIBUS cables</li> </ul>	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	<ul> <li>for network components or terminal equipment</li> </ul>	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 °	<ul> <li>for network components or terminal equipment</li> </ul>	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
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>during transport</li> <li>rotection class IP</li> <li>IP20</li> </ul> product features, product functions, product components / general product feature <ul> <li>silicon-free</li> <li>product component</li> <li>PG connection socket</li> <li>strain relief</li> <li>Yes</li> </ul> standards, specifications, approvals certificate of suitability	ambient conditions	
<ul> <li>during storage</li></ul>	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	<ul><li>during operation</li></ul>	-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	<ul><li>during storage</li></ul>	-40 +70 °C
product features, product functions, product components / general  product feature	<ul> <li>during transport</li> </ul>	-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	<ul> <li>PG connection socket</li> </ul>	No
certificate of suitability	strain relief	Yes
	standards, specifications, approvals	
RoHS conformity     Yes	certificate of suitability	
·	<ul> <li>RoHS conformity</li> </ul>	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

XG

https://sie.ag/2QdlxcP

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last modified: