SIEMENS

Data sheet

6ES7972-0BA42-0XA0

product description



PROFIBUS bus connector, RS 485, screw, without programming port, 35° SIMATIC DP, Connection plug for PROFIBUS up to 12 Mbit/s with inclined cable outlet, 15.8x 54x 39.5 mm (WxHxD), terminating resistor with isolating function, without PG socket

suitability for use	For connecting PROFIBUS stations to the PROFIBUS bus cable
transfer rate	
transfer rate / with PROFIBUS DP	9.6 kbit/s 12 Mbit/s
interfaces	
number of electrical connections	
 for PROFIBUS cables 	2
 for network components or terminal equipment 	1
type of electrical connection	
 for PROFIBUS cables 	Screw
 for network components or terminal equipment 	9-pin sub D connector
type of electrical connection / FastConnect	No
mechanical data	
design of terminating resistor	Resistor combination integrated and connectable via slide switch
material / of the enclosure	plastic
locking mechanism design	Screwed joint
design, dimensions and weights	
type of cable outlet	35 degree cable outlet
width	15.8 mm
height	54 mm
depth	39.5 mm
net weight	29 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	
 RoHS conformity 	Yes

UL approval	Yes
reference code	
• acc. to IEC 81346-2	XF
further information / internet-Links	
Internet-Link	
 to website: Selection guide for cables and connectors 	https://sie.ag/2QdlxcP
last modified:	2/12/2021 🖸