



**THE DATASHEET OF
6ES7972-0BB70-0XA0**



product type designation

product description



PROFIBUS plug, 90°, with PG socket

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, 15.8x 72.2x 36.4 mm (WxHxD), Insulation displacement method FastConnect, With PG receptacle

suitability for use

for connecting PROFIBUS nodes 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
- for network components or terminal equipment

2

1

type of electrical connection

- for PROFIBUS cables
- for network components or terminal equipment

Integrated insulation displacement contacts for 2-wire PB FC installation cables

9-pin sub D connector

type of electrical connection / FastConnect

Yes

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

90 degree cable outlet

width

15.8 mm

height

72 mm

depth

36.4 mm

net weight

45 g

ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-25 ... +60 °C

-40 ... +70 °C

-40 ... +70 °C

protection class IP

IP20

product features, product functions, product components / general

product feature

- silicon-free

Yes

product component


- PG connection socket
- strain relief

Yes

Yes



standards, specifications, approvals

certificate of suitability

<ul style="list-style-type: none"> • RoHS conformity • UL approval 	<p>Yes</p> <p>Yes</p>
<p>reference code</p> <ul style="list-style-type: none"> • according to IEC 81346-2 	<p>XF</p>
<p>further information / internet-Links</p>	
<p>Internet-Link</p> <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors 	<p>https://sie.ag/2QdlxcP</p>
<p>last modified:</p>	<p>7/7/2022 </p>

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