

SOFTLINK

**Connectors Specifications
to PROFIBUS & PROFINET Connectors**

Reference Manual

Edition 07/2011

Preface

Purpose of the manual

This manual gives you a brief overview of SOFTLINK Connectors. You can look up information on the description, order No., technical No., for SOFTLINK Connectors.

Essential know-how

General knowledge of automation technology is required for comprehension of this Manual.



Standards
EN 61000-6 (emissions + immunity)
IEC 61131 (PLC and IPC)
IEC 61800 (drives)

Content

Preface.....	i
Content.....	ii
PROFIBUS Connector, 90° cable outlet.....	1
PROFIBUS Connector, opto-isolator.....	4
Easy Angle.....	6
Profibus Connector, 35°& 90° cable outlet.....	6
PROFINET Connector.....	7
Support & Service.....	8

PROFIBUS Connector



The connectors are used to connect a PROFIBUS station to the PROFIBUS cable.

- Metalized housing
- 35° , 90° cable outlets
- With baudrate of up to 12 Mbaud
- Integrated terminal resistors
- Vertical outgoing cable suitable for easy connect
- Visual connection for easy check

Order Data

	Order-No.
90° cable outlet without prog.	300 972-BA1200
90° cable outlet with prog.	300 972-BB1200
90° cable outlet without prog., quick-connect	300 972-BA2000
90° cable outlet with prog., quick-connect	300 972-BB2000

Technical Data

Order No.	300 972-BA1200	300 972-BB1200
Product Specifications	Without programming port	With programming port
Dimensions	72 x 40 x 17mm	72 x 40 x 17mm
Weight	Approx. 40g	Approx. 40g
Outlet angle	90°	90°
Termination	With termination resistors inside, can be changed the access status through sliding switch	With termination resistors inside, can be changed the access status through sliding switch
Baud Rate	Up to 12Mbit/s	Up to 12Mbit/s
PROFIBUS Interface	SUB-D connector, 9 way PROFIBUS cable (Fc standard cable)	SSUB-D connector, 9 way PROFIBUS cable (Fc standard cable)
Operating voltage	4.75V~5.25VDC voltage (External input)	4.75V~5.25VDC voltage (External input)
Maximum operating current	12.5mA	12.5mA
Permissible ambient temperature	Working state 0°C ~+60°C Storage and transport -25°C~+80°C	Working state 0°C ~+60°C Storage and transport -25°C ~+80°C
Relative Humidity	75% (25°C)	75% (25°C)
Ingress Protection	IP40	IP40

Order No.	300 972-BA2000	300 972-BB2000
Product Specifications	Without programming port,quick connection,Fast connection	With programming port,quick connection,Fast connection
Dimensions	72 x 40 x 17mm	72 x 40 x 17mm
Weight	Approx. 40g	Approx. 40g
Outlet angle	90°, Fast connection	90°, Fast connection
Termination	With termination resistors inside, can be changed the access status through sliding switch	With termination resistors inside, can be changed the access status through sliding switch
Baud Rate	Up to 12Mbit/s	Up to 12Mbit/s
PROFIBUS Interface	SUB-D connector, 9 way PROFIBUS cable (Fc standard cable)	SUB-D connector, 9 way PROFIBUS cable (Fc standard cable)
Operating voltage	4.75V~5.25VDC voltage (External input)	4.75V~5.25VDC voltage (External input)
Maximum operating current	12.5mA	12.5mA
Permissible ambient temperature	Working state 0°C ~+60°C	Working state 0°C ~+60°C
	Storage and transport -25°C ~ +80°C	Storage and transport -25°C ~ +80°C
Relative Humidity	75% (25°C)	75% (25°C)
Ingress Protection	IP40	IP40

**PROFIBUS Connector
Opto-isolator**



PROFIBUS Connector, with opto-isolator

Due to the built-in RS485 chip and high-speed optical isolator, PROFIBUS connector with opto-isolator has a strong drive, especially suitable for tougher electromagnetic environment (especially with the communication of converters), for the opto-isolator avoids the damage of COM port made by PD (potential difference) in the network.

The PROFIBUS connector with isolator can completely replace conventional connectors with the same wiring.

Order Data

Order No.	
90° cable outlet without prog., opto-isolator	300 972 – BA5000

Technical Data

Order No.	300 972-BA5000
Product Specifications	Without programming port, Optical isolation
Dimensions	67 x 40 x 17mm
Weight	Approx. 40g
Outlet angle	90°
Termination	With termination resistors inside, can be changed the access status through sliding switch
Baud Rate	Up to 6MBit/s(12Mbit/s-tailor-made)
PROFIBUS Interface	SUB-D connector, 9 way PROFIBUS cable (Fc standard cable)
Operating voltage	4.75V~5.25V DC voltage (External input)
Maximum isolation voltage	1000VDC or 3500V pulse voltage
Maximum operating current	12.5mA
Permissible ambient temperature	Working state 0°C ~+60°C
	Storage and transport -25°C ~+80°C
Relative Humidity	75% (25°C)
Ingress Protection	IP40

Easy Angle Profibus Connector



SOFTLINK Easy Angle Profibus connectors are used to connect a PROFIBUS station to the PROFIBUS cable.

- Metalized housing
- Combination of 35° and 90° cable outlets
- Visual connection for easy check

Order Data

	Order No.
EasyAngle, without prog.	300 972 – BA8000
EasyAngle, with prog.	300 972 – BB8000

Technical Data

Order No.	300 972-BA8000	300 972-BB8000
Product Specifications	Without progr.	With progr.
Dimensions	68 x 40 x 17mm	68 x 40 x 17mm
Weight	Approx. 40g	Approx. 40g
Outlet angle	EasyAngle	EasyAngle
Termination	With termination resistors inside, can be changed the access status through sliding switch	With termination resistors inside, can be changed the access status through sliding switch
Baud Rate	Up to 12Mbit/ s	Up to 12Mbit/ s
PROFIBUS Interface	SUB-D connector, 9 way PROFIBUS cable (Fc standard cable)	SUB-D connector, 9 way PROFIBUS cable (Fc standard cable)
Operating voltage	4.75V~5.25V DC voltage (External input)	4.75V~5.25V DC voltage (External input)
Maximum operating current	12.5mA	12.5mA
Permissible ambient temperature	Working state 0°C ~+60°C	Working state 0°C ~+60°C
	Storage and transport -25°C ~ +80°C	Storage and transport -25°C ~ +80°C
Relative Humidity	75% (25°C)	75% (25°C)
Ingress Protection	IP40	IP40

PROFINET Connector



SOFTLINK Profinet connectors are used to connect a PROFINET station to the PROFINET cable.

- Metalized housing
- Integrated RJ45 interface
- Quick-connect
- Visual connection for easy check

Order Data

	Order No.
Profinet connectors	300 901-1BB10

Technical Data

Order No.	300 901-1BB10
Interfaces	Industrial Ethernet FC standard Interface -- 4 integrated insulation piercing contacts; Industrial Ethernet RJ45 interface -- one RJ45 connector
Dimension (W x H x D/mm)	13.6 x 16 x 53.6
Weight/g	Approx. 40
Baudrate	100MBit/s
TP Cable Length	0-100M
Working Temperature	-20°C-70°C
Ambient Temperature	Transport/Storage -40°C-80°C
Relative Humidity	<95 %
Degree of Protection	IP20

Support & Service

Support

Please contact our technical supports when questions arised.

Email: support@softlink.cn

Tel: +86-755-25336812

Fax: +86-755-25333788

Website: www.softlink.cn

Service

- 24-month Warranty for SOFTLINK products
- Free training of operating guide for all products