



CONNECTING SYSTEMS

 **Data, Network & Bus Technology**

# **PROFIBUS Plug Systems**

**Bus Connection Plugs**

All plugs are UL/CSA certified and CE compliant.

## PROFIBUS Plugs



802401



802402



802403



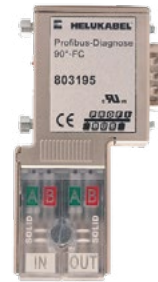
802404



802407



803194



803195



803844



802405



805194



805195

In addition to selling cables by the kilometer, connection technology for automation systems is also a part of our portfolio. Our customers take advantage of being able to get the correct PROFIBUS plug connector along with the proper HELUKABEL® PROFIBUS wires from a single source. This is the reason why HELUKABEL® Data, Network and Bus Technology has been delivering bus connection plug systems to renowned customers for years.

### Attributes:

- For the transmission of PROFIBUS DP signals up to 12 Mbit/s.
- Qualified to connect bus components on IP 20/IP30 basis RS 485 SUB-D.
- Programming interface provides an uninterruptible operation of PROFIBUS wires.
- Used for 2-wire L2 bus wires – rigid or flexible.
- Power supply through component not through bus voltage with a characteristic wave impedance of 150Ω.

An excerpt of the portfolio can be found on the next page.

### PROFIBUS DP Technical Data

- 9-pin, SUB-D plug (male)
- Switchable terminating resistor
- Metal body
- Connection type: SK alligator clips with cut and screw terminal
- Weight: 40g
- Ambient temperature: 0°C to +60°C
- Max. 95°C, no condensation
- Several outlet angles: 35°, 45°, 90° or 180°
- Plug cycles: min. 200 times
- Fastening screws: 4-40UNC
- Max. torque screw: 0.4Nm
- Standards: IEC 61158 and 61784

## PROFIBUS Plugs

ID	Part No.	Description	Note
C1	802401	PROFIBUS 90°-S	Screw terminal (S), 90° Cable outlet, Solid wire + Stranded wire
C2	802402	PROFIBUS 90°-PG-S	Screw terminal (S) + Programming device, 90° Cable outlet, Solid wire + Stranded wire
C3	802403	PROFIBUS 35°-S	Screw terminal (S), 35° Cable outlet, Solid wire + Stranded wire
C4	802404	PROFIBUS 35°-PG-S	Screw terminal (S) + Programming device, 35° Cable outlet, Solid wire + Stranded wire
C5	803356	PROFIBUS 45°-SK, solid	Quick connector (SK), 45° Cable outlet, Solid wire
C6	803357	PROFIBUS 45°-PG-SK, solid	Quick connector (SK) + Programming device, 45° Cable outlet, Solid wire
C7	803576	PROFIBUS 45°-SK, flex	Quick connector (SK), 45° Cable outlet, Stranded wire
C8	803577	PROFIBUS 45°-PG-SK, flex	Quick connector (SK) + Programming device, 45° Cable outlet, Stranded wire
C9	802405	PROFIBUS-axial-S	Screw terminal, Axial (180°) Cable outlet to the rear, Solid wire + Stranded wire
C10	802406	PROFIBUS 90°-SK	Quick connector (SK), 90° cable outlet, Solid wire + Stranded wire
C11	802407	PROFIBUS 90°-PG-SK	Quick connector (SK) + Programming device, 90° Cable outlet + Stranded wire
C14	803194	PROFIBUS 90°-PG-SK diagnosis	Quick connector (SK) + PG + Diagnosis LED, 90° Cable outlet, Solid wire + Stranded wire
C15	803195	PROFIBUS 90°-SK diagnosis	Quick connector (SK) + Diagnosis LED, 90° Cable outlet, Solid wire + Stranded wire
C18	803844	PROFIBUS 90°-PG-S diagnosis	Screw terminal (S) + PG + Diagnosis LED, 90° Cable outlet, Solid wire + stranded wire
C19	803845	PROFIBUS 90°-S diagnosis	Screw terminal (S) + Diagnosis LED, 90° Cable outlet, Solid wire + Stranded wire
C20	803208	PROFIBUS axial-SK, solid	Quick connector (SK), Axial (180°) cable outlet to the rear, Solid wire + Stranded wire
C26	805194	PROFIBUS 90° M12	Adapter 90° SUB-D to M12, 5 pin
C27	805195	PROFIBUS 90° PG M12	Adapter 90°, PG SUB-D to M12, 5 pin
C28	805709	PROFIBUS Adapter 90° PG diagnosis	90°, PG diagnosis to M12, 5 pin

Plug connectors for other bus systems such as CAN bus, DeviceNet (803234, 802967, 803272) are also available on request.

## Related Cable / Plugs

Cable description	Part No.	Matching plug ID
PROFIBUS L2 1x2x0,64mm PVC violet	81448	C1-C4, C9, C18, C19,
PROFIBUS L2 1x2x0,64mm PVC grey	80384	C1-C4, C9, C18, C19
PROFIBUS L2 1x2x0,64mm PE black	80792	C1-C4, C9, C18, C19
PROFIBUS L2 ERD 1x2x0,64mm PVC/PE black	82824	C1-C4, C9, C18, C19
PROFIBUS L2 ERD armoured 1x2x0,64mm PVC/PE black	802177	C1-C4, C9, C18, C19
PROFIBUS L2 1x2x0,64mm PUR petrol	81186	C1-C4, C9, C18, C19
PROFIBUS SK 1x2x0,64mm PVC violet	81903	C1-C4, C5, C6, C9, C10, C11, C14, C15, C18, C19, C20
PROFIBUS SK 1x2x0,64mm FRNC violet	81501	C1-C4, C5, C6, C9, C10, C11, C14, C15, C18, C19, C20
PROFIBUS SK 1x2x0,64mm PE black	81904	C1-C4, C5, C6, C9, C10, C11, C14, C15, C18, C19, C20
PROFIBUS SK 1x2x0,64mm PUR violet	81905	C1-C4, C5, C6, C9, C10, C11, C14, C15, C18, C19, C20
PROFIBUS High temperature FEP violet	802179	C1-C4, C9, C18, C19
PROFIBUS L2/FIP 7-wire PVC violet	800648	C1-C4, C9, C18, C19
PROFIBUS L2 Drag 1x2x0,64mm (stranded) PUR petrol	81003	C1-C4, C9, C18, C19
PROFIBUS L2 Drag 1x2x0,64mm (stranded) PUR violet	80267	C1-C4, C9, C18, C19
PROFIBUS L2 Torsion PUR violet	800109	C1-C4, C9, C18, C19
PROFIBUS L2 FESTOON PVC petrol	800649	C1-C4, C9, C18, C19
PROFIBUS SK Drag 1x2x0,64mm (stranded) PUR petrol	81906	C1-C4, C7, C8, C9, C10, C11, C14, C15, C18, C19, C20
PROFIBUS SK Drag 1x2x0,64mm (stranded) PUR violet	801659	C1-C4, C7, C8, C9, C10, C11, C14, C15, C18, C19, C20
PROFIBUS SHIPLINE FRNC violet	802178	C1-C4, C9, C18, C19

**Fax reply to: +49 7150 9209-5501**

**Your inquiry**

Part No.	Description	Quantity
802401	PROFIBUS 90°-S	
802402	PROFIBUS 90°-PG-S	
802403	PROFIBUS 35°-S	
802404	PROFIBUS 35°-PG-S	
803356	PROFIBUS 45°-SK, solid	
803357	PROFIBUS 45°-PG-SK, solid	
803576	PROFIBUS 45°-SK, flex	
803577	PROFIBUS 45°-PG-SK, flex	
802405	PROFIBUS-axial-S	
802406	PROFIBUS 90°-SK	
802407	PROFIBUS 90°-PG-SK	
803194	PROFIBUS 90°-PG-SK diagnosis	
803195	PROFIBUS 90°-SK diagnosis	
803844	PROFIBUS 90°-PG-S diagnosis	
803845	PROFIBUS 90°-S diagnosis	
803208	PROFIBUS axial-SK	
805194	PROFIBUS 90° M12	
805195	PROFIBUS 90° PG M12	
805709	PROFIBUS Adapter 90° PG diagnosis	

Part No.	Description	Quantity
<b>Fixed installation</b>		
81448	PROFIBUS L2 1x2x0,64mm PVC violet	
80384	PROFIBUS L2 1x2x0,64mm PVC grey	
80792	PROFIBUS L2 1x2x0,64mm PE black	
82824	PROFIBUS L2 ERD 1x2x0,64mm PVC/PE black	
802177	PROFIBUS L2 ERD armoured 1x2x0,64mm PVC/PE black	
81186	PROFIBUS L2 1x2x0,64mm PUR petrol	
81903	PROFIBUS SK 1x2x0,64mm PVC violet	
81501	PROFIBUS SK 1x2x0,64mm FRNC violet	
81904	PROFIBUS SK 1x2x0,64mm PE black	
81905	PROFIBUS SK 1x2x0,64mm PUR violet	
802179	PROFIBUS High temperature FEP violet	
<b>Flexible / high-flex installation</b>		
800648	PROFIBUS L2/FIP 7-wire PVC violet	
81003	PROFIBUS L2 Drag 1x2x0,64mm (stranded) PUR petrol	
80267	PROFIBUS L2 Drag 1x2x0,64mm (stranded) PUR violet	
800109	PROFIBUS L2 Torsion PUR violet	
800649	PROFIBUS L2 FESTOON PVC petrol	
81906	PROFIBUS SK Drag 1x2x0,64mm (stranded) PUR petrol	
801659	PROFIBUS SK Drag 1x2x0,64mm (stranded) PUR violet	
802178	PROFIBUS SHIPLINE FRNC violet	

Plug connectors for other bus systems such as CAN bus, DeviceNet (803234, 802967, 803272) are also available on request.

What can we do for you?

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