

IB IL 24 PSDO 8-PLSET/CP/R

Connector set, consisting of four Inline connectors with integrated discharge electronics



Data sheet
105108_en_01

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1 Description

The plug set is used to connect capacitive loads up to 2,2 μF to any of the outputs listed in the ordering data for the safety modules.

Remember to consider the full length of the go and return path.

Terminal point assignment

The terminal point assignment corresponds to the assignment of the standard plugs that are supplied with the safety modules.

Information about terminal point assignment can be found in the manual for the safety module you are using (see ordering data for documentation).



NOTE: Overheating due to incorrect installation

Make provision for good heat dissipation in the vicinity of the heatsink.

It is essential to observe the required safety distance from neighboring parts. This varies by application but is at least 1.5 cm.



Make sure you always use the latest documentation.

It can be downloaded from the product at www.phoenixcontact.net/catalog.



2 Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Connector set, consisting of four Inline connectors with integrated discharge electronics	IB IL 24 PSDO 8-PLSET/CP/R	2700722	1
Supplementary product	Type	Order No.	Pcs. / Pkt.
Safety-related digital output module, IP20 protection, for the SafetyBridge system. The module has four safe digital outputs with two-channel occupancy or 8 safe digital outputs with single-channel occupancy	IB IL 24 LPSDO 8 V2-PAC	2700606	1
Safety-related digital output module, IP20 protection, for the SafetyBridge system. The module has four safe digital outputs with two-channel occupancy or 8 safe digital outputs with single-channel occupancy	IB IL 24 LPSDO 8-PAC	2916024	1
Safety-oriented digital output module, IP20 degree of protection, for the INTERBUS-Safety and the PROFIsafe system. The module has four safe digital outputs with two-channel occupancy or eight safe digital outputs with single-channel occupancy	IB IL 24 PSDO 8-PAC	2985631	1
Documentation	Type	Order No.	Pcs. / Pkt.
User manual, German, Inline module with integrated safety logic and safe digital outputs	UM DE IB IL 24 LPSDO 8 V2-PAC	2910907	1
User manual, German, Inline module with integrated safety logic and safe digital outputs	UM DE IB IL 24 LPSDO 8-PAC	2910787	1
User manual, german	UM DE IB IL 24 PSDO 8-PAC	2910525	1

3 Technical data

Dimensions (nominal sizes in mm)	
Width	12.2 mm
Height	138 mm
Depth	34 mm
Note on dimensions	for each plug
General data	
Weight	100 g
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 85 % (Take suitable measures against increased air humidity within the permitted temperature range.)
Permissible humidity (storage/transport)	10 % ... 85 % (Take suitable measures against increased air humidity within the permitted temperature range.)
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Connection data	
Name	Inline connectors
Connection method	Spring-cage connection
Conductor cross section solid / stranded	0.2 mm ² ... 1.5 mm ²
Conductor cross section [AWG]	24 ... 16