

# IB IL 24 PSDO 4/4-PLSET/CP/R - Connector set



2700721

<https://www.phoenixcontact.com/us/products/2700721>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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



## Product description

Connector set, consisting of four Inline plugs with integrated discharge electronics.

It optimizes the diagnostic options and fault detection of your safety application in the case of operating external capacitive loads or cable capacitances at PSDO outputs.

When using this connector set, the typical discharge time ( $t_{\text{off}}$ ) at 3.3  $\mu\text{F}/24\text{ V}$  is reduced to approx. 400  $\mu\text{s}$  (30 V,  $t_{\text{off}}$  approx. 600  $\mu\text{s}$ ) per channel.

## Commercial data

Item number	2700721
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNA43Z
Catalog page	Page 267 (C-6-2019)
GTIN	4046356651066
Weight per piece (including packing)	121.1 g
Weight per piece (excluding packing)	121.1 g
Country of origin	DE

## Technical data

### Product properties

Product type	Connector set
Application	Inline terminals
	Functional safety

### Connection data

#### Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 16

### Dimensions

Width	12.2 mm
Height	138 mm
Depth	34 mm
Note on dimensions	for each connector

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
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 sea level)
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.)

### Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
------------------	---------------------------------------

# IB IL 24 PSDO 4/4-PLSET/CP/R - Connector set



2700721

<https://www.phoenixcontact.com/us/products/2700721>

## Classifications

### ECLASS

ECLASS-11.0	27242692
ECLASS-12.0	27242692
ECLASS-13.0	27242692

### ETIM

ETIM 9.0	EC002584
----------	----------

### UNSPSC

UNSPSC 21.0	32151600
-------------	----------

# IB IL 24 PSDO 4/4-PLSET/CP/R - Connector set



2700721

<https://www.phoenixcontact.com/us/products/2700721>

## Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
------------	--

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)