

IB ST 24 DIO 8/8/3-2A-WT - I/O module



2719166

<https://www.phoenixcontact.com/us/products/2719166>

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.



INTERBUS-ST digital input/output module, 8 inputs, 24 V DC, 8 outputs, 24 V DC, 2 A, IP20 protection, consisting of: Terminal part with spring-cage connection and module electronics, extended temperature range

The figure shows version IB ST 24
DIO 8/8/3-2A

Commercial data

Item number	2719166
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR03
Product key	DRI334
GTIN	4017918271176
Weight per piece (including packing)	708.1 g
Weight per piece (excluding packing)	697 g
Customs tariff number	85389091
Country of origin	DE

IB ST 24 DIO 8/8/3-2A-WT - I/O module



2719166

<https://www.phoenixcontact.com/us/products/2719166>

Technical data

Dimensions

Width	118 mm
Height	117 mm
Length	116 mm

Interfaces

ST local bus

Connection method	ST local bus connector
Transmission speed	500 kbps

Input data

Digital

Number of inputs	8
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	13 V DC ... 30 V DC
Connection technology	3-conductor (signal, Us, GND)
Typical input current per channel	5 mA

Output data

Digital

Number of outputs	8
Output voltage	Us - 1.5 V
Protective circuit	Short-circuit protection; Fuse

Product properties

Product type	I/O component
Product family	Smart Terminal ST
Type	modular INTERBUS Smart Terminal
No. of channels	16

Electrical properties

Supply

Communications power U_L	9 V DC (from the ST local bus)
I/O voltage	24 V DC
I/O voltage range	20 V DC ... 30 V DC
Residual ripple	± 1.2 V
Max. current consumption	100 mA (from the ST local bus)
Typical current consumption	200 mA (to U_S)

2719166

<https://www.phoenixcontact.com/us/products/2719166>

Connection data

Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section, flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

IB ST 24 DIO 8/8/3-2A-WT - I/O module



2719166

<https://www.phoenixcontact.com/us/products/2719166>

Classifications

UNSPSC

UNSPSC 21.0	32151602
-------------	----------

2719166

<https://www.phoenixcontact.com/us/products/2719166>

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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