


IB IL 24 DO 16-ME

Order No.: 2897253



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Inline digital output terminal, Inline ME versions (machine edition) complete with accessories (connector and labeling field), 16 outputs, 24 V DC, 500 mA, 2, 3-conductor connection method

Commercial data	
GTIN (EAN)	
sales group	K411
Pack	4 pcs.
Customs tariff	85389091
Catalog page information	Page 292 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
11/13/2006



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Technical data	
General data	
Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

Weight	130 g
Note on weight specifications	Without plug
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	5 V supply incoming remote bus/7.5 V supply (bus logic) 500 V AC 50 Hz 1 min
	5 V supply outgoing remote bus/7.5 V supply (bus logic) 500 V AC 50 Hz 1 min
	7.5 V supply (bus logics)/24 V supply (I/O) 500 V AC 50 Hz 1 min
	24 V supply (I/O) / functional earth ground 500 V AC 50 Hz 1 min
Diagnostics messages	Short-circuit / overload of the digital outputs Error message in the diagnostic code (bus) and display (2 Hz) via the LED (D) on the module

Interface

Fieldbus system	INTERBUS
Name	Local bus
Type of connection	Inline data jumper
Transmission speed	500 kBaud
Transmission physics	Copper

Power supply for module electronics

Supply voltage	24 V DC (nominal value)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Supply current	90 mA
Communications power U_L	7.5 V (via voltage jumper)
Current consumption	max. 90 mA (from the local bus)
Power consumption	max. 0.675 W

Inline potential routing

Communications power U_L	7.5 V DC
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Current consumption from U_L	max. 90 mA
Segment supply voltage U_s	24 V DC (nominal value)
Current consumption from U_s	max. 8 A

Digital outputs

Output name	Digital outputs
Type of connection	Spring-cage connection
Connection method	2, 3-wire
Number of outputs	16
Protective circuit	Overload protection, short-circuit protection of outputs
Output voltage	24 V DC ($U_s - 1$ V)
Nominal output voltage	24 V DC (voltage difference at $I_{nom} \leq 1$ V)
Maximum output current per channel	500 mA
Maximum output current per module	8 A
Nominal load, inductive	12 W
Nominal load, lamp	12 W
Nominal load, ohmic	12 VA

Accessories

Item	Designation	Description
Marking		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm

Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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