

Inline function terminal - IB IL CAN-MA-PAC - 2700196

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Inline CAN master, for connecting a CAN bus system, complete with accessories (connector and marking field)



Product Description

The terminal is designed for use within an Inline station.

It can be used to integrate a lower-level CAN bus system into the Inline station and thus in the bus system used.

Within the Inline station, the terminal acts as a CAN master for the lower-level CAN system.

CAN features

- CAN master
- Protocol: Transparent mode
- Transmission speed: 1 Mbps, maximum
- Smallest data type: 1 byte
- Diagnostic and error messages are exchanged via the status word

Local bus features

- Transmission speed: 500 kbps
- Maximum data width of 2 x 64 bytes (i.e., 128 bytes = 64 words)
- Data channel width: 126 bytes
- Command/status word width: 2 bytes

General features

- Serial interface with inserted memory stick for storing the configuration data
- DIP switch for setting the data width
- Local diagnostic and status indicators

Product Features

- User-friendly controller-independent software tool for configuring the CAN network
- Serial interface (S port) including a memory stick for saving the configuration
- Transparent mode
- Transmission speed of 10 kbps to 1 Mbps
- Smallest data type: 1 byte
- Maximum data width of 2 x 64 bytes (= 128 bytes = 64 words)
- DIP switches for setting the data width
- Diagnostic and status indicators



Key Commercial Data

Packing unit	1 pc
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Weight per Piece (excluding packing)	100.0 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	12.2 mm
Height	136.8 mm
Depth	71.5 mm

General

Color	green
Weight	75 g
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

Interfaces

Interface	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Interface	CAN bus
Connection method	Inline shield connector
Protocols supported	CAN

Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	typ. 110 mA
	max. 115 mA
Main circuit supply U_M	24 V DC (via voltage jumper)
Current consumption from U_M	typ. 10 mA
	max. 12 mA

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Technical data

Inline potentials

Power consumption	typ. 1.06 W
	max. 1.16 W

Electrical isolation

Test section	24 V supply U_M , bus, logic/CAN interface 500 V AC 50 Hz 1 min.
	24 V supply U_M , bus, logic/functional earth ground 500 V AC 50 Hz 1 min.
	CAN interface/functional earth ground 500 V AC 50 Hz 1 min.

Standards and Regulations

Test section	24 V supply U_M , bus, logic/CAN interface 500 V AC 50 Hz 1 min.
	24 V supply U_M , bus, logic/functional earth ground 500 V AC 50 Hz 1 min.
	CAN interface/functional earth ground 500 V AC 50 Hz 1 min.

Classifications

eCl@ss

eCl@ss 4.0	27250304
eCl@ss 4.1	27250304
eCl@ss 5.0	27250304
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242608

ETIM

ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001604

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

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Approvals

Approvals


UL Listed / cUL Listed / LR / BV / ABS / RINA / BSH / EAC / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed 

cUL Listed 

LR

BV

ABS

RINA

BSH

EAC

cULus Listed 

Accessories

Accessories

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Accessories

Memory block

Memory block - IFS-CONFSTICK - 2986122



Multi-functional memory block for the INTERFACE system for easy storage and backup of the configuration.

Plug

Inline shield connector - IB IL SCN 6-SHIELD-TWIN - 2740245



Inline shield connector

Inline shield connector - IB IL SCN-6 SHIELD - 2726353



Inline shield connector

Programming cable

Configuration cable - IB IL CAN-MA CONF-CAB - 2700620

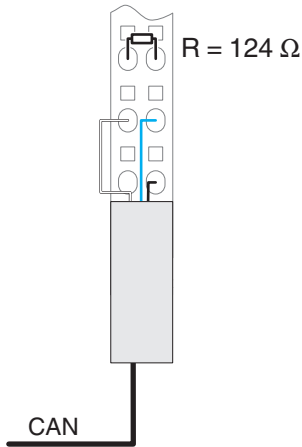


Configuration cable for IB IL CAN-MA-PAC

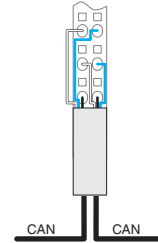
Drawings

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Connection diagram



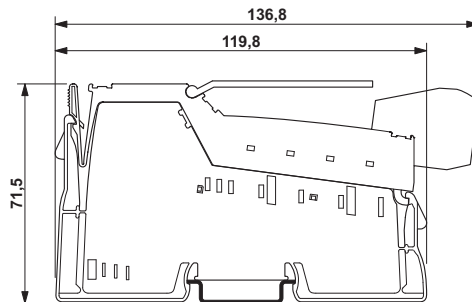
Connection diagram



CAN master in the center of a CAN bus when using the original connector

CAN master at the end of a CAN bus
($R = 124 \Omega$ termination resistor)

Dimensional drawing



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