

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

Why buy this product

- 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 |
| GTIN |  4 046356 497855 |
| Weight per Piece (excluding packing) | 75.0 g |

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

| | |
|----------------------|----------|
| 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 |
|-------------------------|---|

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 |

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 |

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Technical data

Electrical isolation

| | |
|--|--|
| | 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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UL Listed / cUL Listed / LR / GL / BV / DNV / ABS / RINA / GL-SW / BSH / GL / cULus Listed

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Listed

cUL Listed

LR

GL

BV

DNV

ABS

RINA

GL-SW

BSH

GL

cULus Listed

Accessories

Accessories

Memory block

Memory block - IFS-CONFSTICK - 2986122



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

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Accessories

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

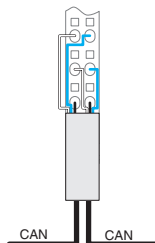


Configuration cable for IB IL CAN-MA-PAC

Drawings

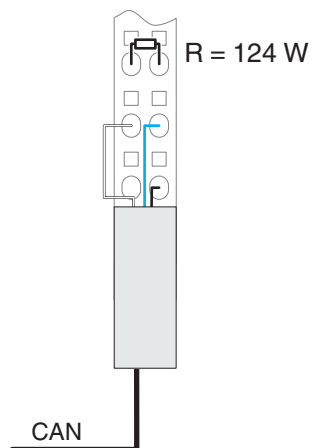
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Connection diagram



CAN master in the center of a CAN bus

Connection diagram



CAN master at the end of a CAN bus
(R = 124 Ω termination resistor)

Dimensioned drawing

