

## 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 plug 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
- CAN 2.0A (11-bit identifier; standard frame)
- CAN 2.0B (29-bit identifier; extended frame)
- Transmission speed of 10 kbps to 1 Mbps



### Key commercial data

Packing unit	1 PCE
GTIN	 4 046356 497855
Weight per Piece (excluding packing)	99.7 GRM
Weight per piece (including packing)	108.9 GRM
Custom tariff number	85389091

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

Country of origin	Germany
Sales Key	O1 - Automatisation Systems

### 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

### 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
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## 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	27242605

### ETIM

ETIM 3.0	EC001601
ETIM 4.0	EC001601
ETIM 5.0	EC001601

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

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

## 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

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#### Plug

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



Inline shield connector

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



Inline shield connector

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#### Programming cable

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



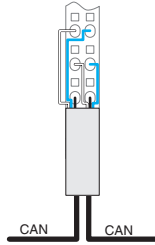
Configuration cable for IB IL CAN-MA-PAC

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### Drawings

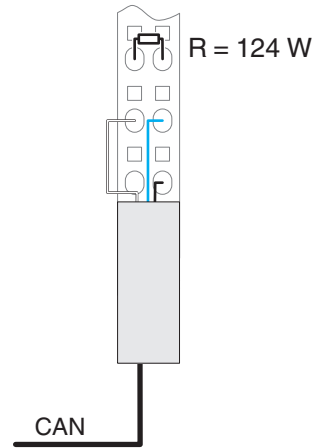
# Inline function terminal - IB IL CAN-MA-PAC - 2700196

Connection diagram



CAN master in the center of a CAN bus

Connection diagram



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

Dimensioned drawing

