Inline function terminal - IB IL IFS-MA-PAC - 2692720

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

Product description

The terminal is designed for use within an Inline station. It can be used to connect INTERFACE modules to the Inline station and thus the bus system used via the INTERFACE system bus.

Features
– Easy connection of INTERFACE EEM and/or EMM modules
– Transmission speed: 500 kbps
– Data width in the local bus can be adjusted via DIP switches or memory stick configuration depending on the number of INTERFACE devices connected
– Maximum data width from the INTERFACE system bus to the local bus: 32 words (including PCP)
– Maximum data width from the local bus to the INTERFACE system bus: 16 words
– Parameterization, configuration, and diagnostics via FDT/DTM (Field Device Tool/Device Type Manager) supported
– Serial interface (S port) can be used to connect a memory stick
– Memory stick can be used for configuration backup
– Applications: Motor and power management; switching, protection, and monitoring of drives

Why buy this product

☑ Acquisition and output of up to 31 measured values and 16 manipulated variables

☑ Easy integration of up to 8 INTERFACE EMM and EEM modules with firmware 1.03 or later

☑ User-friendly parameterization, configuration, and diagnostics using DTMs (Device Type Managers)

☑ Serial interface (S port) including a memory stick for saving the configuration

Key commercial data

Packing unit	1 pc
GTIN	4 046356 448932
Weight per Piece (excluding packing)	130.0 g
Custom tariff number	85371091
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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Technical data

Dimensions

Width	24.4 mm
Height	135 mm
Depth	71.5 mm

General

Color	green
Weight	130 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	INTERFACE system bus
Connection method	Inline shield connector
Transmission physics	Single wire
Protocols supported	CAN

Inline potentials

Communications power U_L	7.5 V (via voltage jumper)
Current consumption from U_L	typ. 66 mA
	max. 78 mA
Main circuit supply U_M	24 V DC (via voltage jumper)
Current consumption from U_M	typ. 141 mA
	max. 300 mA

Electrical isolation

Test section	24 V supply U_M, bus, logic/INTERFACE 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
	INTERFACE 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	27242608

ETIM

ETIM 3.0	EC001604
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

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

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Approvals

cUL Listed

cULus Listed

Accessories

Accessories

Connector set

Connector set - IB IL AO/CNT-PLSET - 2732664

Connector set

Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm

Memory block

Memory block - IFS-CONFSTICK - 2986122

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

PCB plug

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Accessories

Printed-circuit board connector - IMC 1,5/ 5-ST-3,81 - 1857919

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MC 1,5/ 5-ST-3,81 - 1803604

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

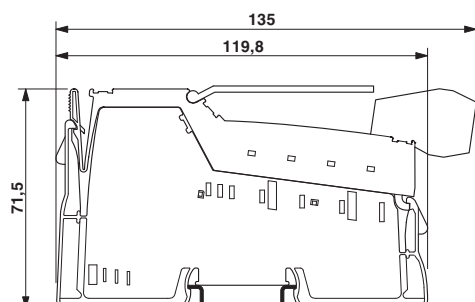## Terminal marking

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

Plug - IMC 1,5/ 5-ST-3,81SET IL IFS 2M - 1784729

Assembled connecting cable, IL-IFS, 2 m in length

Drawings

Dimensioned drawing

Connection diagram