

Special function module - AXL F RS UNI 1H - 2688666

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Axioline F communication module for serial data transmission, 1 interface can be parameterized as RS-485/RS-422 or RS-232 (including bus base module and connectors)

Product description

The module is designed for use within an Axioline F station.
It is used to operate standard I/O devices with serial interfaces on a bus system.

Product Features

- A serial input and output channel in RS-232, RS-422, and RS-485 format
- Various protocols supported
- Transmission speed can be set up to 250,000 baud
- Parameterization via the PDI channel
- Device rating plate stored
- Diagnostic and status indicators



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	200.0 GRM
Custom tariff number	85176990
Country of origin	Germany

Technical data

Dimensions

Width	35 mm
Height	126.1 mm
Depth	54 mm
Note on dimensions	The depth is valid when a TH 35-7.5 DIN rail is used (according to EN 60715).

Connection data

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Technical data

Connection data

Designation	Axioline F connector
Connection method	Push-in technology
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	16
Stripping length	8 mm

General

Color	traffic grey A RAL 7042
Weight	135 g
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
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	Axioline F local bus
Connection method	Bus base module
Transmission speed	100 MBit/s
Interface	RS-232, RS-485, RS-422
Connection method	Push-in technology
Transmission speed	110 Bit/s ... 250 kBit/s (can be parameterized)
Transmission physics	Copper
Protocols supported	Transparent, end-to-end, XON/XOFF, Modbus RTU (master support)
Input buffer	4 kByte
Output buffer	1 kByte
Data bits	5 ... 8
Stop bits	1 or 2

Axioline potentials

Communications power U_{Bus}	5 V DC (via bus base module)
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Technical data

Axioline potentials

Current consumption from U_{Bus}	typ. 200 mA
	max. 240 mA

Serial input/output channel

Parity	Even, odd or no parity
Transmission type	Transparent mode, end-to-end mode, XON/XOFF, Modbus RTU

Electrical isolation

Test section	5 V supply (logic)/functional earth ground 500 V AC 50 Hz 1 min
	5 V supply (logic)/5 V supply (I/O) 500 V AC 50 Hz 1 min
	5 V supply (I/O)/functional earth ground 500 V AC 50 Hz 1 min

Classifications

eCl@ss

eCl@ss 4.0	27240405
eCl@ss 4.1	27240405
eCl@ss 5.0	27242201
eCl@ss 5.1	27242601
eCl@ss 6.0	27242601
eCl@ss 7.0	27242601
eCl@ss 8.0	27242608

ETIM

ETIM 3.0	EC001599
ETIM 4.0	EC001435
ETIM 5.0	EC001601

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	39121311
UNSPSC 12.01	39121311
UNSPSC 13.2	39121311

Approvals

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Approvals

Approvals


UL Listed / cUL Listed / BSH / RINA / GL / DNV / BV / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed 

cUL Listed 


BSH

RINA

GL

DNV

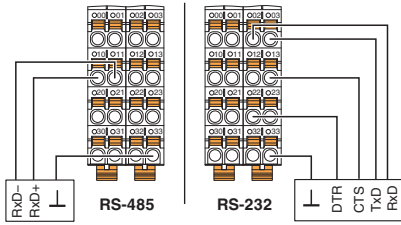
BV

cULus Listed 

Drawings

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Connection diagram



Dimensioned drawing

