

## Power module - AXL F PWR 1H - 2688297

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Axioline F power module for the communications power U<sub>Bus</sub>, max. 4 A (including bus base module and connector)

### Product Description

The module is designed for use within an Axioline F station.

If the maximum load of the bus coupler for the Axioline F local bus supply (communications power U<sub>Bus</sub>) is reached, this module can be used to provide this voltage again.


To this end, apply a 24 V DC voltage (U<sub>L</sub>) to the module from which the U<sub>Bus</sub> is generated.

### Why buy this product

- Supply of the 24 V voltage U<sub>L</sub> for generating the communications power U<sub>Bus</sub>
- Diagnostic and status indicators



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 566209
GTIN	4046356566209
Weight per Piece (excluding packing)	107.000 g
Weight per piece (including packing)	159.400 g
Custom tariff number	85389091
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	35 mm
Height	126.1 mm

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## Technical data

### Dimensions

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

### Ambient conditions

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

### Connection data

Designation	Axioline F connector
Connection method	Push-in connection
Note on connection method	Please observe the information provided on conductor cross sections in the "Axioline F: system and installation" user manual.
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Stripping length	8 mm

### General

Mounting type	DIN rail
Net weight	107 g
Note on weight specifications	with connector and bus base module

### Interfaces

Designation	Axioline F local bus
Connection method	Bus base module
Transmission speed	100 Mbps

### Axioline potentials

Supply of communications power $U_L$	24 V DC
Current consumption from $U_L$	max. 1.2 A ( $I_{Bus} = 4 A$ ; $U_L = 19,2 V$ )
Communications power $U_{Bus}$	5 V DC (via bus base module)
Current supply at $U_{Bus}$	max. 4 A

### Standards and Regulations

Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g

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## Technical data

### Standards and Regulations

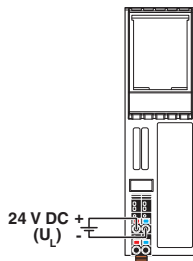
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

### Environmental Product Compliance

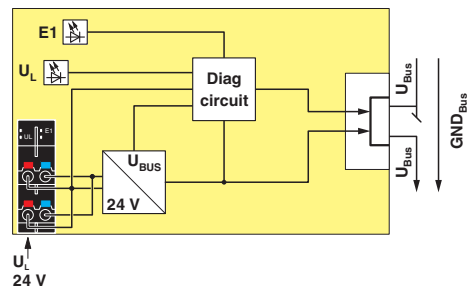
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Connection diagram

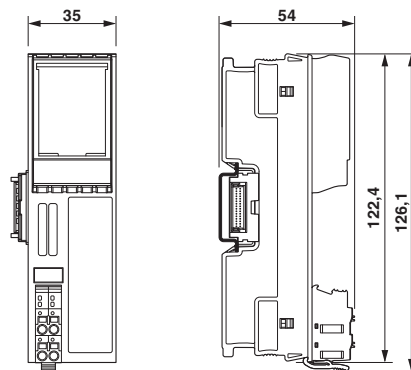


Block diagram



Basic circuit diagram

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 4.0	27240490
eCl@ss 4.1	27240490
eCl@ss 5.0	27242208
eCl@ss 5.1	27242605
eCl@ss 6.0	27242605
eCl@ss 7.0	27242605
eCl@ss 8.0	27242610

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## Classifications

### eCl@ss

eCl@ss 9.0	27242610
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### ETIM

ETIM 3.0	EC001604
ETIM 4.0	EC001601
ETIM 5.0	EC001600
ETIM 6.0	EC001600

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	39121311
UNSPSC 12.01	39121311
UNSPSC 13.2	32151602

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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EAC		EAC-Zulassung
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cULus Listed	
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## Power module - AXL F PWR 1H - 2688297

### Accessories

#### Accessories

#### Device marking

Insert label - EMT (35X28)R - 0801602



Insert label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, Mounting type: snapped into marker carrier, Lettering field: 35 x 28 mm

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### Plug

Plug - AXL CN S/UL - 2701421



Axoline F short power connector (for e.g., AXL F BK ...)

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### Terminal marking

Zack marker strip - ZB 20,3 AXL UNPRINTED - 0829579



Zack marker strip for Axoline F (device labeling), in 2 x 20.3 mm pitch, unprinted, 25-section, for individual labeling with B-STIFT 0.8, X-PEN, or CMS-P1-PLOTTER

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Zack Marker strip, flat - ZBF 10/5,8 AXL UNPRINTED - 0829580



Zack marker strip, flat, in 10 mm pitch, unprinted, 10-section, for individual labeling with M-PEN 0,8, X-PEN, or CMS-P1-PLOTTER