

Power module - AXL F PWR 1H - 2688297

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Axioline F, Power module for the logic supply U_{Bus} , max. 4 A, degree of protection: IP20, including bus base module and Axioline F 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_{Bus}) is reached, this module can be used to provide this voltage again.


To this end, apply a 24 V DC voltage (U_L) to the module from which the U_{Bus} is generated.

Your advantages

- Supply of the 24 V voltage U_L for generating the communications power U_{Bus}
- Diagnostic and status indicators



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 566209
GTIN	4046356566209

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
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
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Technical data

Ambient conditions

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 the 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 ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
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
No. of channels	2
Connection method	Bus base module

Axioline potentials

Designation	Communications power U_L feed-in (the supply of the Axioline F local bus U_{BUS} is generated from U_L)
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 1.2 A ($I_{BUS} = 4$ A; $U_L = 19,2$ V)
Power consumption	max. 22 W ($I_{BUS} = 4$ A)
Designation	Axioline F local bus supply (U_{BUS})
Supply voltage	5 V DC (via bus base module)
Power supply unit	max. 4 A
Type of protection	Surge protection of the supply voltage
	Polarity reversal protection of the supply voltage

Standards and Regulations

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Technical data

Standards and Regulations

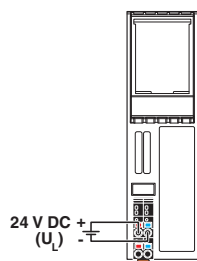
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g
	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

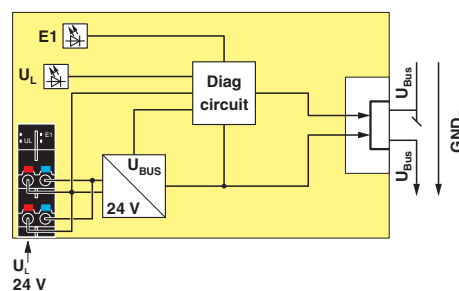
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram

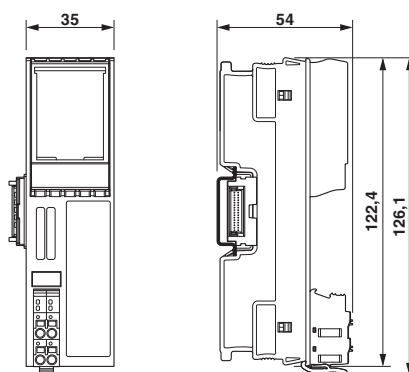


Block diagram



Basic circuit diagram

Dimensional drawing



Approvals

Approvals

Approvals

DNV GL / KR / NK / ABS / BSH / RINA / UL Listed / cUL Listed / EAC / cULus Listed

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Approvals

Ex Approvals

Approval details

DNV GL		http://exchange.dnv.com/tari/	TAA00000DF
KR		http://www.krs.co.kr/eng/main/main.aspx	HMB17372-AC002
NK		http://www.classnk.or.jp/hp/en/	14A006
ABS		http://www.eagle.org/eagleExternalPortalWEB/	18-HG1767360-PDA
BSH		http://www.bsh.de/de/index.jsp	840
RINA		http://www.rina.org/en	ELE256518XG
UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
EAC			EAC-Zulassung
cULus Listed			

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