

Data sheet

Power supply NG4 24 V DC

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P/N

110561

EAN 4250184122470

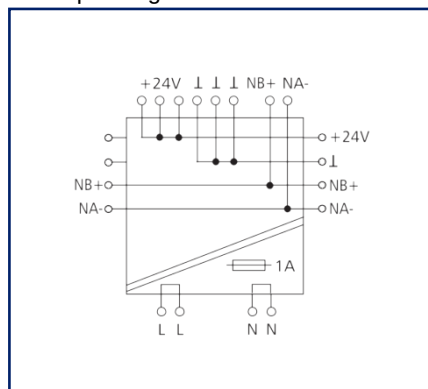
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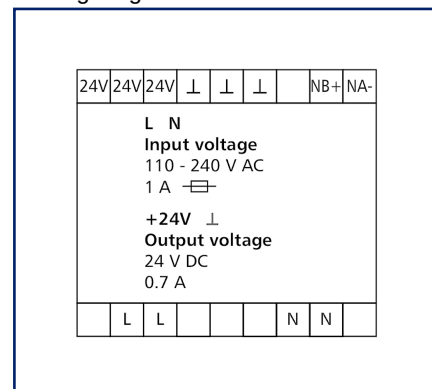
Illustrations



Principle diagram



Wiring diagram



See enlarged drawings at the end of document

Product specification

The NG4 HS power supply supplies a regulated direct voltage of 24 V DC / 16 W for supplying power to the respective devices of the product family of I/O components. The secondary voltage can only be tapped at the right side of the device front at a pluggable terminal block and at the screw-type terminal blocks. The bus communication can be tapped on both sides of the device front. A parallel operation of various power supply units is not allowed. Suitable for decentralized mounting on DIN TH35 rail according to IEC 60715 in electrical distribution cabinets.

- Connection with screw type terminal blocks

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Technical Data

General information	
	for I/O components of the series LON (LF-xxx), BACnet (BMT-xxx), Modbus (MR-xxx)
Inputs	
Voltage range	110 - 240 V AC, 47 - 63 Hz
Contact fuse	internal T 1,0 AL/250 V, soldered fuse
Outputs	
Output voltage	24 V DC (SELV)
Output current (max.)	700 mA
Output power	16 W
Load and control accuracy	+/- 3 %, Tu = 20° C
Protection and monitoring	
Permanently short-circuit proof	yes
Open-circuit proof	yes
Mains failure backup	< 40 ms at 230 V AC and full load
Electric strength	4000 V AC input/output
Device safety/EMC	
Output	safety extra-low voltage (SELV) according to EN 62368-1
Protection class	2
Housing	
Dimensions	
Dimension (W x H x D)	50 mm x 69.3 mm x 60 mm
Dimension (W x H x D)	1.969 in. x 2.728 in. x 2.362 in.
Weight	108 g
Mounting style	Standard rail TH35
Mounting position	any
Apposition	without distance
Connection type	Screw type terminal blocks
Indicator	green LED

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Terminal blocks

Supply and bus

Terminal block	4-pole
Solid wire (AWG)	max. 1.5 mm ² / max. 16 AWG
Stranded wire (AWG)	max. 1 mm ² / max. 18 AWG
Wire diameter	min. 0.3 mm max. 1.4 mm

Module connection

Wire cross section solid	0.34 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section multi	0.25 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section with wire ferrule	0.25 mm ² - 2.5 mm ² / AWG 22-12
Screw torque (max.)	0.5 Nm
Stripping length (min.)	8 mm

Material

Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polycarbonat

Protection category according to IEC 60529

Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20

Climatic Data

Operating

Temperature - Operating °C	-10 °C - 55 °C
Temperature - Operating °F	14 °F - 131 °F

Storage

Temperature - Storage °C	-25 °C - 85 °C
Temperature - Storage °F	-13 °F - 185 °F

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Classifications

ETIM 7.0	EC000675
ETIM 8.0	EC000675
ETIM 9.0	EC000675
ETIM 10.0	EC000675

Software and additional documents

Software and documentation	Further documentation is available for free download at www.metz-connect.com
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Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.



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Accessories

P/N	Designation
11084114	MR-SM4i Modbus RTU
1108411470	MR-F-SM4i Modbus RTU
11084115	MR-SM4u Modbus RTU
1108411570	MR-F-SM4u Modbus RTU

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Accessories from

P/N	Designation
11039025	LA1 LON
11039125	LM1 LON
11039225	LM2 LON
11039425	LS1 LON
11039525	LT1 LON
11039613	LT2 LON
11039713	LT3 LON
1105701321	FRAS 4/21 24 V AC/DC CAN
1105731302	FAA 4 24 V AC/DC CAN
1105741306	FAE 4 24 V AC/DC CAN
1105751319	FDE 4 24 V AC/DC CAN
1108111326IP	MB-DIO2/1-IP Modbus/BACnet 24V AC/DC
1108121326IP	MB-DIO4/2-IP Modbus/BACnet 24V AC/DC
11083001	MR-GW Modbus RTU / Modbus TCP Gateway
1108300170	MR-F-GW Modbus RTU / Modbus TCP Gateway
11083013	MR-TO4 Modbus RTU
1108311319	MR-DI10 Modbus RTU
11083213	MR-AI8 Modbus RTU
1108331326	MR-DIO4/2 Modbus RTU
110833132601	MR-DIO4/2S Modbus RTU
1108331326IP	MR-DIO4/2-IP65 Modbus RTU
1108341319	MR-DI4 Modbus RTU
110834131901IP	MR-DI4-IP65 Modbus RTU, with external display
1108351302	MR-AO4 Modbus RTU
1108361321	MR-DO4 Modbus RTU
110836132101	MR-DOA4 Modbus RTU
1108371302	MR-AOP4 Modbus RTU
11083813	MR-TP Modbus RTU
11083813-01	MR-TPS Modbus RTU
11083913	MR-SI4 Modbus RTU
1108401332	MR-CI4 Modbus RTU

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Accessories from

11084213IP	MR-AIO4/2-IP65 Modbus RTU
11084413	MR-LD6 Modbus RTU
1108501319	LF-DI4 LON
1108511319	LF-DI10 LON
1108511319IP	LF-DI10-IP65 LON
1108521321	LF-DO4 LON
1108521321IP	LF-DO4-IP65 LON
11085313	LF-AI8 LON
11085413	LF-AOP4 LON
11085413IP	LF-AO4-IP65 LON
1108551326	LF-DIO4/2 LON
1108551326IP	LF-DIO4/2-IP65 LON
1108561326	LF-DM4/4 LON
11085713	LF-AM2/4 LON
11085813	LF-SI4 LON
11085913	LF-TP LON
11085913-01	LF-TPS LON
1108601332	LF-CI4 LON
11086105IP	LF-TI-IP65 LON
11086213	LF-TO4 LON
11086313	LF-DI230 LON
11088001	BMT-RTR BACnet-Router
1108800170	BMT-F-RTR BACnet-Router
11088013	BMT-TO4 BACnet MS/TP
11088101	BMT-RTR/SC BACnet/SC Router
1108810170	BMT-F-RTR/SC BACnet/SC Router
1108811319	BMT-DI10 BACnet MS/TP
11088213	BMT-AI8 BACnet MS/TP
1108831326	BMT-DIO4/2 BACnet MS/TP
1108831326IP	BMT-DIO4/2-IP65 BACnet MS/TP
1108841319	BMT-DI4 BACnet MS/TP
1108841319IP	BMT-DI4-IP65 BACnet MS/TP
1108851302	BMT-AO4 BACnet MS/TP
1108861321	BMT-DO4 BACnet MS/TP

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Accessories from

1108871302	BMT-AOP4 BACnet MS/TP
1108871303	
110887130370	
11088813	BMT-TP BACnet MS/TP
11088813-01	BMT-TPS BACnet MS/TP
11088913	BMT-SI4 BACnet MS/TP
1108901332	BMT-CI4 BACnet MS/TP
11089313	BMT-Multi I/O BACnet MS/TP
110900	EWIO-9180
110901	EWIO-9180-FB
110904	EWIO ₂ -BM Ethernet-IO / BACnet / Modbus
110905	EWIO ₂ Ethernet-IO
110906	EWIO ₂ -W Ethernet-IO / WLAN
110909	EWIO ₂ -W-BM Ethernet-IO / WLAN / BACnet / Modbus
110910	EWIO-9180-M
110930	EWIO ₂ -M M-Bus
110931	EWIO ₂ -MW M-Bus / WLAN
110934	EWIO ₂ -MW-BM M-Bus / WLAN / BACnet / Modbus
110935	EWIO ₂ -M-BM M-Bus / BACnet / Modbus
11095013	EW-TO4
1109511319	EW-DI10
11095213	EW-AI8
1109531326	EW-DIO4/2
1109531326IP	EW-DIO4/2-IP65
1109541319	EW-DI4
1109551302	EW-AO4
1109561321	EW-DO4
1109571332	EW-CI4

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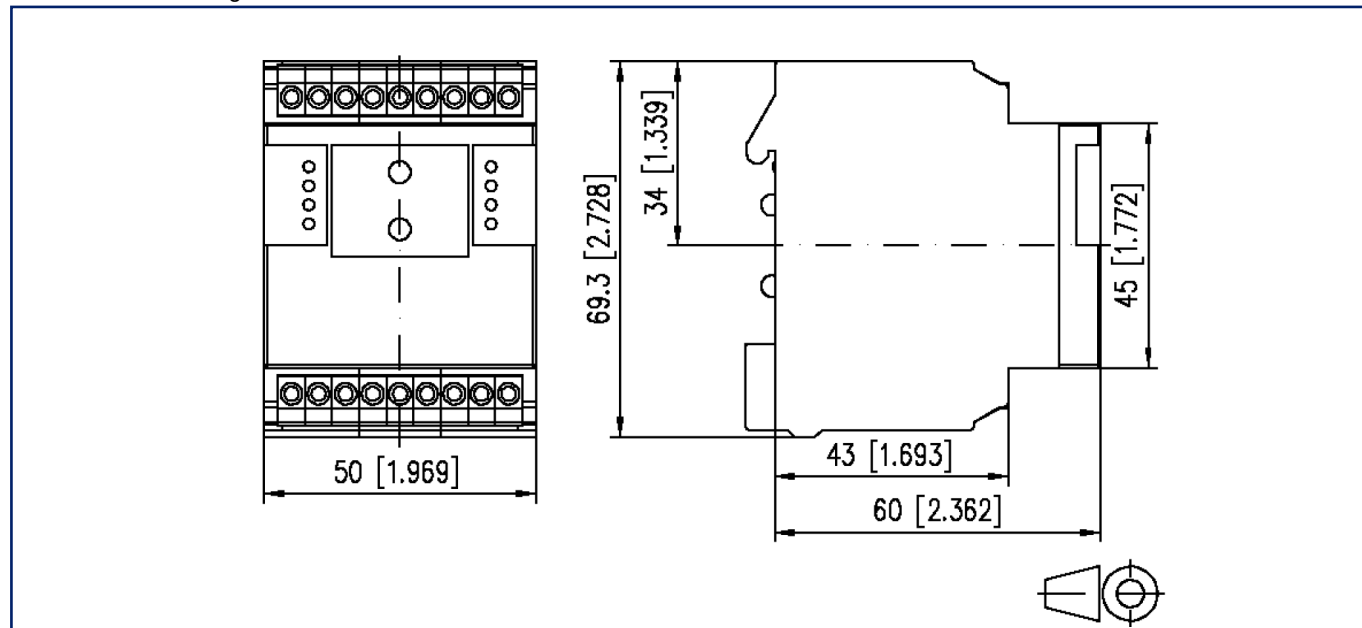
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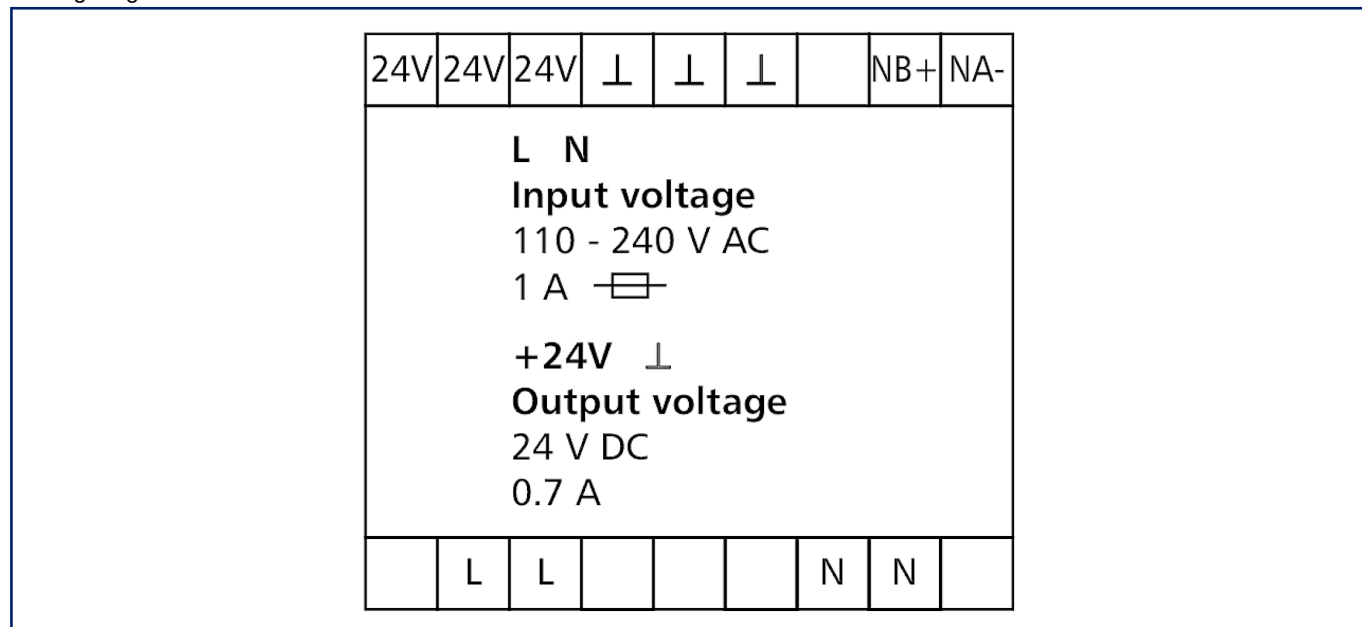
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Illustrations

Dimensional drawing



Wiring diagram



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Principle diagram

