

## Project: Wago Maksvovervåker

Path: /Anders

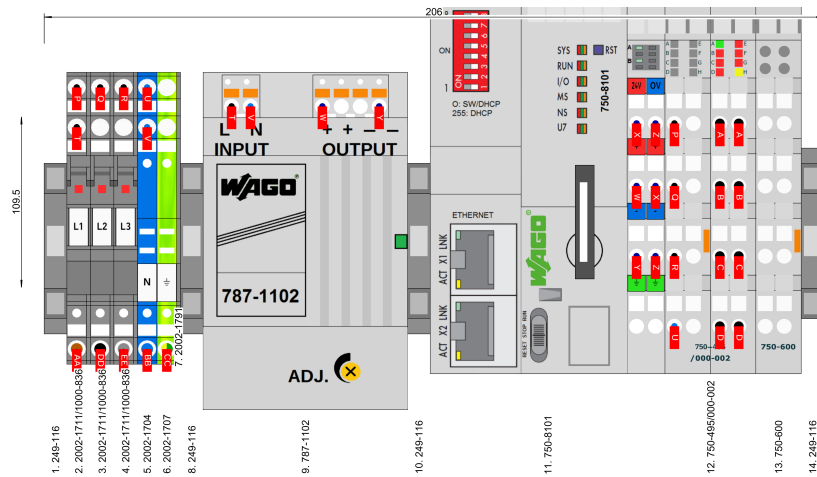
Link: <https://configurator.wago.com/index.html?function=loadproject&projectid=75836&projectversion=1>

Version: B

Doc. version: 0

WAGO Item number: **8003-0099/Z000-0070**Comments: **Klemmenblock mittig im Gehäuse 850-835 montieren.**

### Preview:



### Product Data:

Dimensions (L x W x H)	206 x 77.1 x 109.5
Weight	522.4 g
Length	0 mm
Guide dimension	Start projection
Item number	FREE MOUNTING
Start projection	0 mm
End projection	0 mm

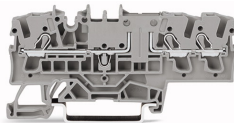
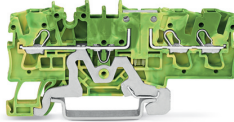
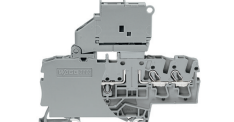
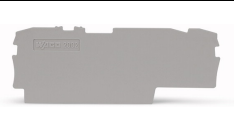

### Project data:

Drawn by	Anders Pettersen
Reviewed by	Olga Penner
Own drawing number	Zaptec TN Stort prosjekt
Creation date	21.11.2017
150	0002

WAGO Item number: 8003-0099/Z000-0070

Link: <https://configurator.wago.com/index.html?function=loadproject&projectid=75836&projectversion=1> (Version: B)







## Parts list Wago Makssovovråker (Path: /Anders)

Item quantity	Item Number	Your item number	Description	Color	Cross section/Len	Item image
1	0162-0287		H07 V-K, 2,5 mm <sup>2</sup> , black			
1	0171-0287		H07 V-K, 2,5 mm <sup>2</sup> , green-yellow			
1	0393-0208		H07 V-K, 2,5 mm <sup>2</sup> , blue			
2	0982-0286		H05 V-K, 0,75 mm <sup>2</sup> , blue			
4	0998-0286		H05 V-K, 0,75 mm <sup>2</sup> , black			
4	1369-0286		H05 V-K, 0,75 mm <sup>2</sup> , dark-blue			
1	1951-0787		H07 V-K, 2,5 mm <sup>2</sup> , brown			
1	1952-0787		H07 V-K, 2,5 mm <sup>2</sup> , gray			
1	2002-1704		3-conductor through terminal block; with test option; same profile as 3-conductor disconnect terminal block	blue		
1	2002-1707		3-conductor through terminal block; with test option; same profile as 3-conductor disconnect terminal block	green-yellow		
3	2002-1711/1000-836		3-conductor fuse disconnect terminal block with pivoting fuse holder; for 5 x 20 mm miniature metric fuse; with blown fuse indication	gray		
1	2002-1791		End and intermediate plate; 1 mm thick	gray		
4	2009-110		Marking strips; plain; 11 mm wide; 50m roll; for TOPJOB@S Series	white	26 mm	

WAGO Item number: 8003-0099/Z000-0070

Link: <https://configurator.wago.com/index.html?function=loadproject&projectid=75836&projectversion=1> (Version: B)

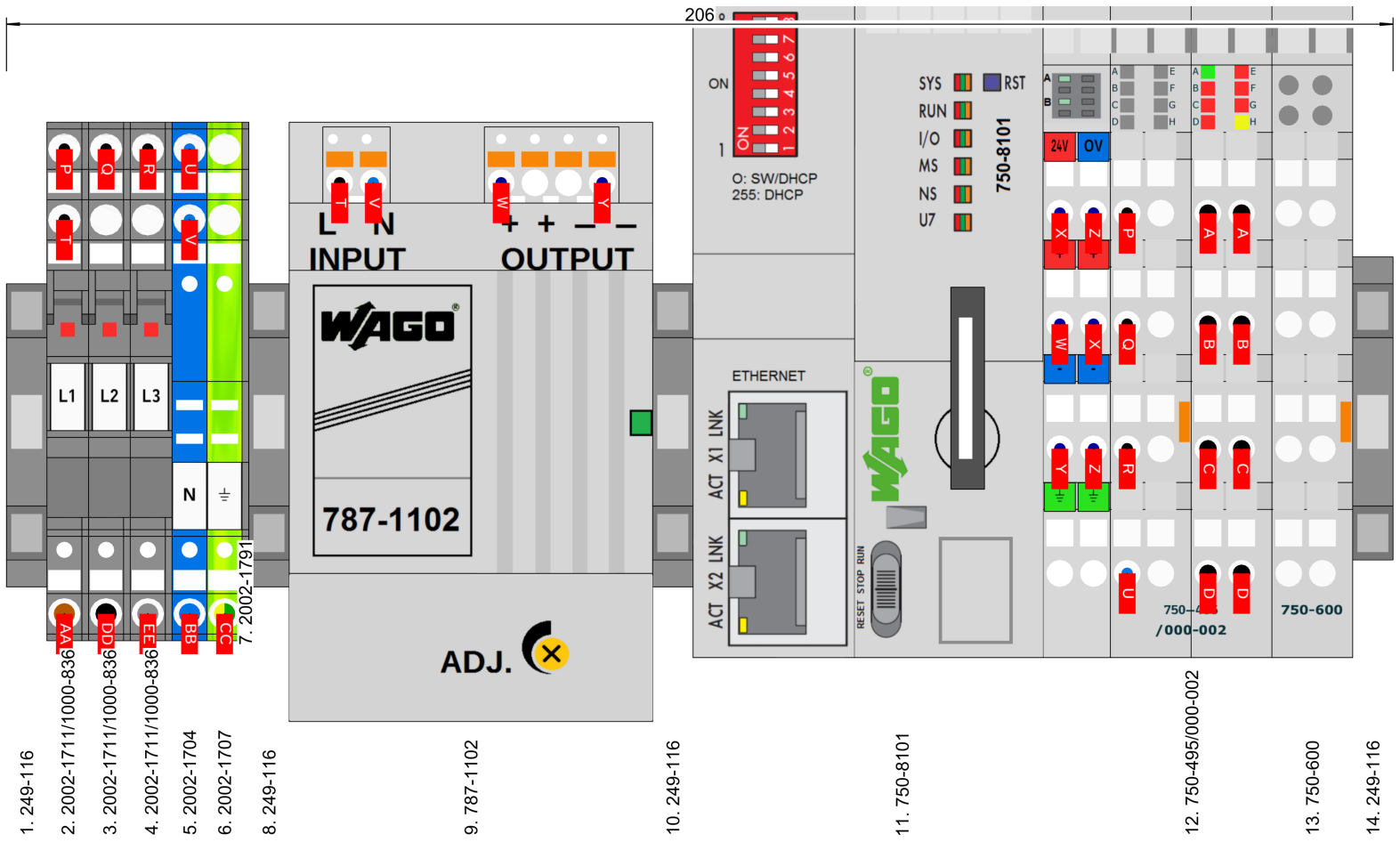
## Parts list Wago Maksvovervåker (Path: /Anders)

Item quantity	Item Number	Your item number	Description	Color	Cross section/Len	Item image
4	249-116		Screwless end stop; 6 mm wide	gray		
1	750-495/000-002		3-Phase Power Measurement; 690 VAC Rogowski coils			
1	750-600		End module	light gray		
1	750-8101		Controller PFC100; 2 x ETHERNET	light gray		
1	787-1102		Primary switch mode EPSITRON® COMPACT Power supplies; 1-phase; 24 VDC; 1.3 A			
4	855-9450/2000-701		Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm			
1	FREE MOUNTING					

1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

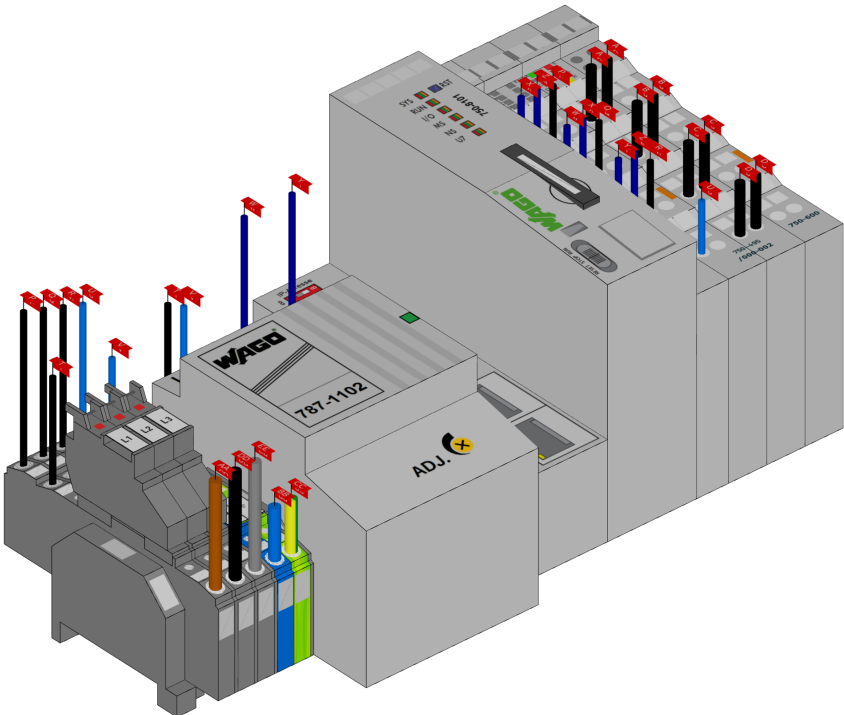
109.5



Comments:  
 Klemmenblock mittig im Gehäuse 850-835 montieren.

use:		522.4 g	A4
origin		repl. f.:	repl. by:
output		0	
date		1-17-12	
index	revision no.	date	name
1:1	created by		
	checked		
	released by		
	date		
	en		
WAGO		Wago Maksvovervåker	
8003-0099/Z000-0070		B	4 / 5

1 2 3 4 5 6 7 8



Comments:  
 Klemmenblock mittig im Gehäuse 850-835 montieren.

use:				522.4 g	A4			
				origin		repl. f.:		repl. by:
						output		0
						date		-17-12
index	revision no.	date	name					
		created by			Wago Makssovåvåker			
		checked						
		released by						
		date	name					
		en						
		WAGO		8003-0099/Z000-0070		B		5 / 5

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**IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip**

Item No.: 850-836



IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	850-836
GTIN / EAN	4017332819633
Content	1
Order amount	1
Customer item number	

### Notes

*Item description:Included:Polyester enclosure, glass fiber-reinforced, halogen-free, as V0 version (self-extinguishing)Polyamide cover screws, captiveInspection glass, incl. attachment panel for customer marking (marking not included in scope of supply)Mounting holes (4 mounting channels located outside the sealed enclosure)Metric cable grips (polyamide PA 6), incl. filler plugs; M12 cable grip, cable diameter 3–6mm; M16 cable grip, cable diameter 5–9mm; M20 cable grip, cable diameter 9–13mm1 DIN 35/7.5 railOil and petroleum-resistant neoprene round chord sealPebble gray, RAL 7032The "number of I/O modules" also takes fieldbus couplers and bus end modules into account. This applies to 12mm-wide I/O modules. I/O modules with a width of 24mm count as two I/O modules.*

### Technical data

<b>Technical data</b>	
<i>Miscellaneous</i>	
<i>Packaging type</i>	<i>BOX</i>
<i>No. of I/O modules</i>	<i>18</i>
<i>Width</i>	<i>324 mm / 12.756 Inch</i>
<i>Height</i>	<i>100 mm / 3.937 Inch</i>
<i>Depth</i>	<i>164 mm / 6.457 Inch</i>
<i>Panel cutout (W x H)</i>	<i>(302 x 142) mm</i>
<i>Leitungsdurchführungen, Anzahl</i>	<i>17</i>
<i>Leitungsdurchführungen, Typ</i>	<i>M12 (Leitungsdurchmesser 3 ... 6 mm)</i>
<i>Leitungsdurchführungen, Anzahl (2)</i>	<i>8</i>
<i>Leitungsdurchführungen, Typ (2)</i>	<i>M16 (Leitungsdurchmesser 5 ... 9 mm)</i>
<i>Leitungsdurchführungen, Anzahl (3)</i>	<i>4</i>
<i>Leitungsdurchführungen, Typ (3)</i>	<i>M20 (Leitungsdurchmesser 9 ... 13 mm)</i>
<i>Weight [g]</i>	<i>2090.9 [g]</i>
<i>Degree of protection</i>	<i>IP65</i>
<i>Main product function</i>	<i>System housing</i>
<i>Product type</i>	<i>Empty housings</i>

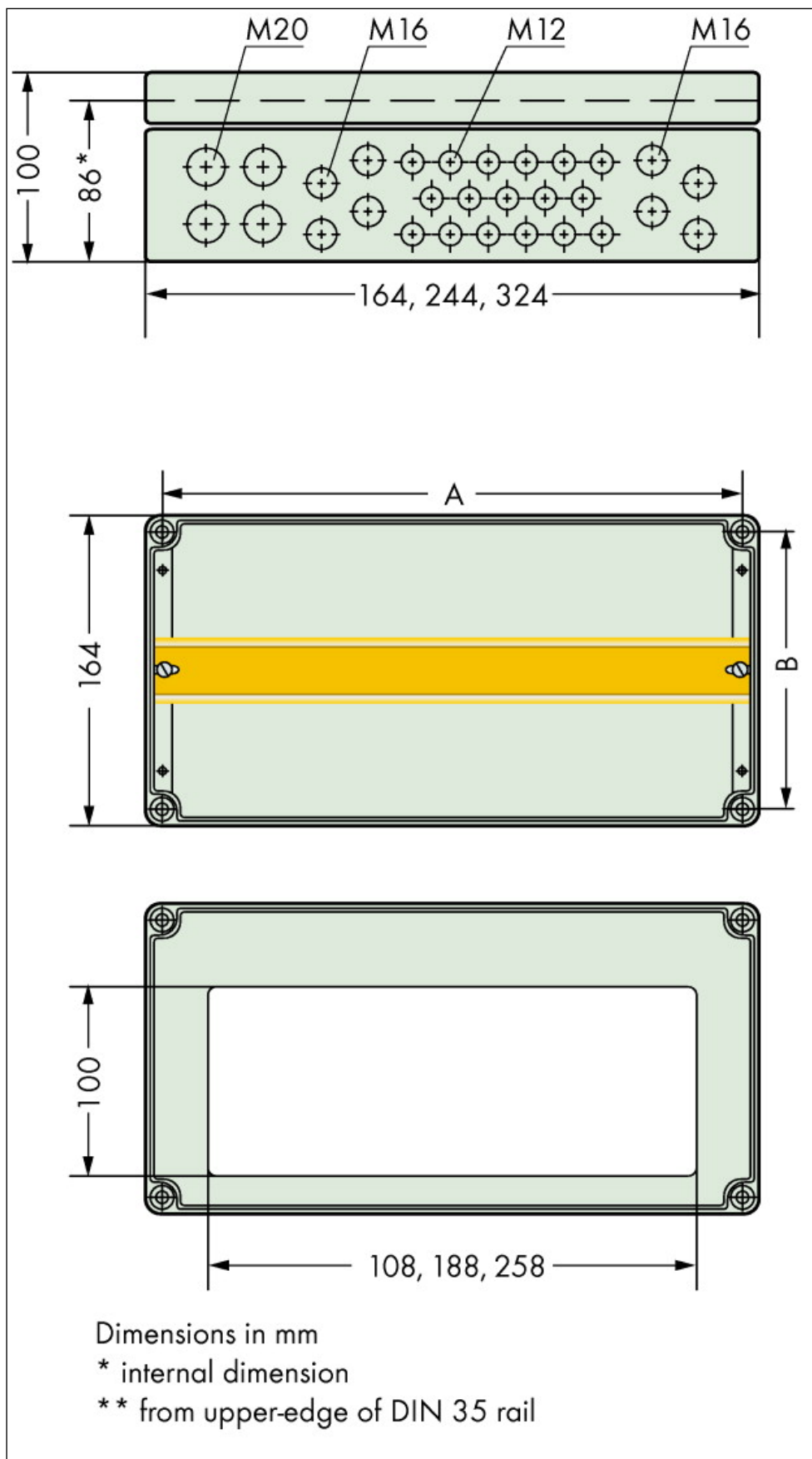
Printview: IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip - Item No.: 850-836

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## Images & drawings







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<http://www.wago.com>

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Technische Änderungen und Irrtümer vorbehalten.

Printview: Connecting cable; Plug - free end; 5-pole; 1 m long; Coding A; PVC insulated; Conductor ends, bonded: 9 mm - Item No.: 771-9995/207-101



**Connecting cable; Plug - free end; 5-pole; 1 m long; Coding A; PVC insulated; Conductor ends, bonded: 9 mm**

Item No.: 771-9995/207-101



Connecting cable; Plug - free end; 5-pole; 1 m long; Coding A; PVC insulated; Conductor ends, bonded: 9 mm

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	771-9995/207-101
GTIN / EAN	4044918274289
Content	1
Order amount	1
Customer item number	

### Notes

IP20, with strain relief housing(These compact connectors are not designed for use in open, easily accessible areas)All WINSTA® components are 100% protected against mismatching in terms of:a.) plugging different number of polesb.) plugging when turned by 180°c.) plugging when laterally staggeredd.) plugging one poleNote on Continuous Service Temperature:-35°C ... +85°CPVC cable for temperatures 70 °C (including halogen-free)Insulating parts for temperatures 105 °C

### Technical data

#### Miscellaneous

Packaging type	not packed
Ratings per	IEC/EN 60664-1

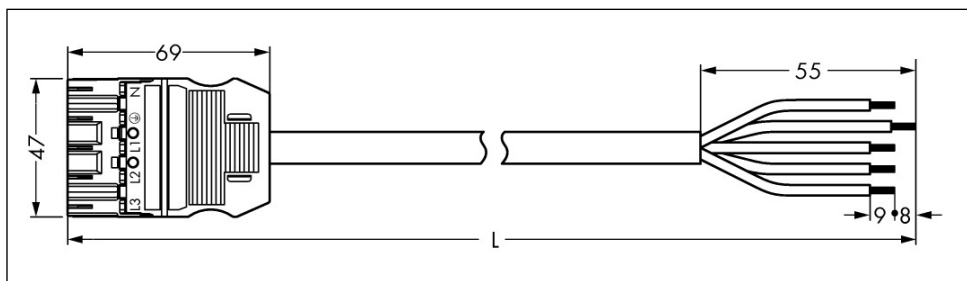
Printview: Connecting cable; Plug - free end; 5-pole; 1 m long; Coding A; PVC insulated; Conductor ends, bonded: 9 mm - Item No.: 771-9995/207-101

<b>Technical data</b>	
Rated voltage (III / 3) [V]	400 [V]
Rated impulse voltage (III / 3) [kV]	6 [kV]
Rated current [A]	16 [A]
Legend (ratings)	(III / 3) Overvoltage category III / Pollution degree 3
No. of poles	5
Total number of potentials	5
Strip length	9 mm / 0.35 Inch
Conductor preparation	tip-bonded
Durchmesser der Mantelleitung	11.2 ... 13.9 mm
Cross section from (1) [mm <sup>2</sup> ]	2.5 [mm <sup>2</sup> ]
Pin spacing	10 mm (0.394 in)
Total length [m]	1 [m]
Coding	A
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Connection type cable/adaptor 1 1	Plug
Connection type cable/adaptor 1 2	free end
Type of cable assembly	Connecting cable
Type of cable	H05VV-F 5G2.5
Marking	N &#9178; L1 L2 L3
Degree of protection	IP20
Potential marking	N &#9178; L1 L2 L3
Mismating protection	ja
Locking of plug-in connection	locking lever
Locking lever	no
Color	black
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Reaction to fire class per EN 50575	Eca
Contact material	Copper or copper alloy, surface-treated
Fire load [MJ]	29.813 [MJ]
Connector color	black

Printview: Connecting cable; Plug - free end; 5-pole; 1 m long; Coding A; PVC insulated; Conductor ends, bonded: 9 mm - Item No.: 771-9995/207-101

Technical data	
Printing color of mating face	white
Strain relief color	black
Printing color of strain relief	white
Color of sheathed cable	black
Printing color of sheathed cable	white
Halogen-free	nein
Weight [g]	260.881 [g]
Ambient temperature (operation)	-35 ... 85 °C
Processing temperature	-5°C ... +40°C
Pin spacing from [in]	0.394 [in]
Pin spacing from [mm]	10 [mm]
Contact type	Plug; free end
Product Family	WINSTA MIDI
Main product function	Cable assembly
Product type	Pluggable installation connector

## Images & drawings



Printview: Connecting cable; Plug - free end; 5-pole; 1 m long; Coding A; PVC insulated; Conductor ends, bonded: 9 mm - Item No.: 771-9995/207-101

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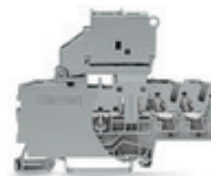
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Technische Änderungen und Irrtümer vorbehalten.



### 3-conductor fuse disconnect terminal block with pivoting fuse holder; for 5 x 20 mm miniature metric fuse; with blown fuse indication

Item No.: 2002-1711/1000-836



3-conductor fuse disconnect terminal block with pivoting fuse holder; for 5 x 20 mm miniature metric fuse; with blown fuse indication

#### Marking

RoHS ✓  
Compliant

#### Business data

Supplier	WAGO
Item no.	2002-1711/1000-836
GTIN / EAN	4050821707639
Content	1
Order amount	50
Customer item number	

#### Notes

Safety information 1: Electrical ratings are given by the fuse and blown fuse indication.

#### Technical data

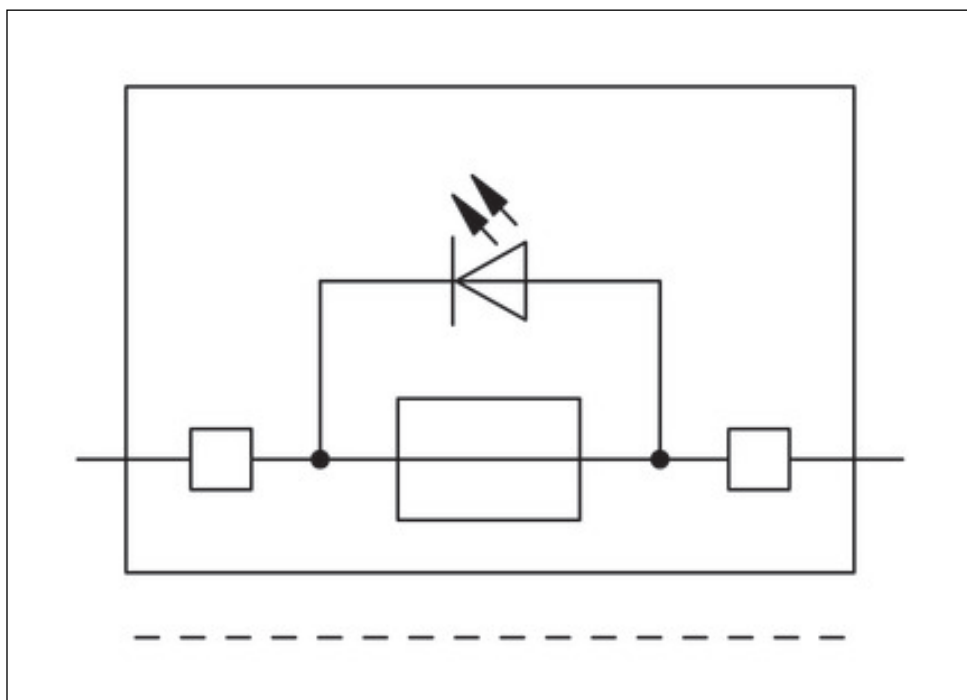
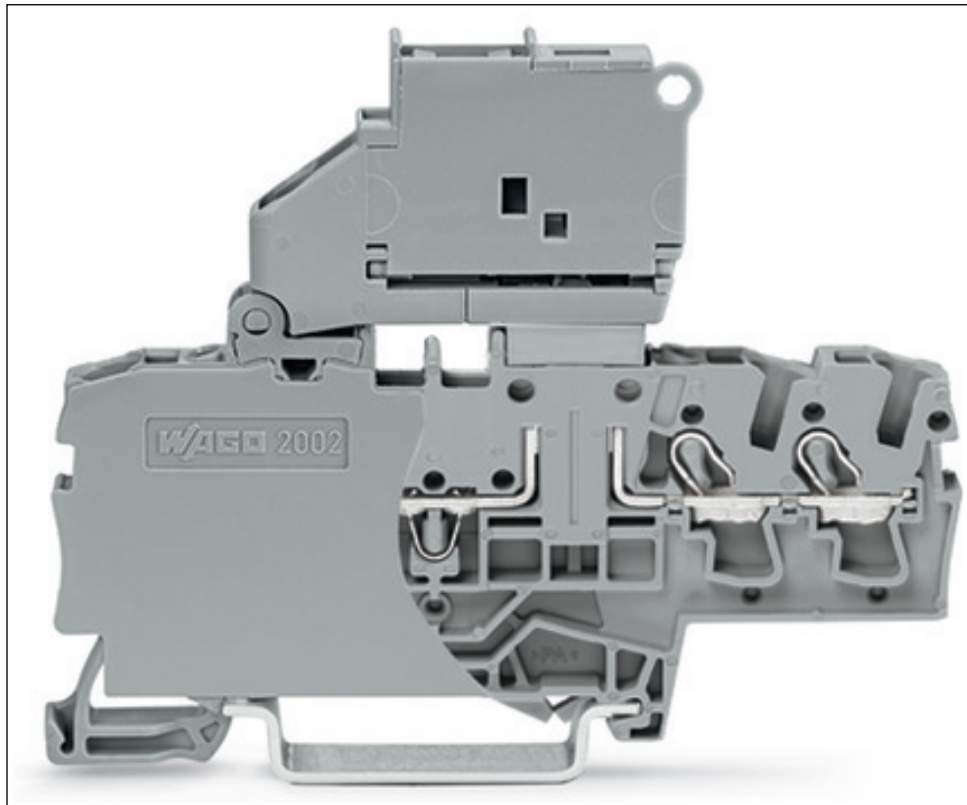
##### Miscellaneous

Safety information 2	Leakage current in case of blown fuse: LED 2mA
Packaging type	BOX
Ratings per	IEC/EN 60947-7-3
Rated voltage (III / 3) [V]	250 [V]

<b>Technical data</b>	
<i>Rated impulse voltage (III / 3) [kV]</i>	<i>6 [kV]</i>
<i>Rated current [A]</i>	<i>6.3 [A]</i>
<i>Legend (ratings)</i>	<i>(III / 3) Overvoltage category III / Pollution degree 3</i>
<i>Type of wiring</i>	<i>Front-entry wiring</i>
<i>Total number of connection points</i>	<i>3</i>
<i>Total number of potentials</i>	<i>1</i>
<i>Number of levels</i>	<i>1</i>
<i>Connection technology</i>	<i>Push-in CAGE CLAMP®</i>
<i>Actuation type</i>	<i>Push-in</i>
<i>Connectable conductor materials</i>	<i>Copper</i>
<i>Nominal cross section</i>	<i>2.5 mm<sup>2</sup></i>
<i>Solid conductor</i>	<i>0.25 ... 4 mm<sup>2</sup> / 22 ... 12 AWG</i>
<i>Solid conductor, push-in termination</i>	<i>0.75 ... 4 mm<sup>2</sup> / 18 ... 12 AWG</i>
<i>Fine-stranded conductor</i>	<i>0.25 ... 4 mm<sup>2</sup> / 22 ... 12 AWG</i>
<i>Fine-stranded conductor with ferrule, push-in termination, f</i>	<i>0.75 mm<sup>2</sup> / 18 AWG</i>
<i>Strip length</i>	<i>10 ... 12 mm / 0.39 ... 0.47 Inch</i>
<i>Width</i>	<i>6.2 mm / 0.244 Inch</i>
<i>Height from upper-edge of DIN-35 rail</i>	<i>57.6 mm / 2.268 Inch</i>
<i>Depth</i>	<i>76.8 mm / 3.024 Inch</i>
<i>Design</i>	<i>horizontal</i>
<i>Type of mounting</i>	<i>Carrier rail 35 x 15</i>
<i>Marking level</i>	<i>Center/side marking</i>
<i>Color</i>	<i>gray</i>
<i>Insulating material</i>	<i>Polyamide 66 (PA 66)</i>
<i>Weight [g]</i>	<i>15.036 [g]</i>
<i>Product Family</i>	<i>TOPJOB® S</i>
<i>Main product function</i>	<i>Fuse term. block</i>
<i>Product type</i>	<i>Function modules</i>



Images & drawings



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Technische Änderungen und Irrtümer vorbehalten.



## 3-conductor through terminal block; with test option; same profile as 3-conductor disconnect terminal block

Item No.: 2002-1707



3-conductor through terminal block; with test option; same profile as 3-conductor disconnect terminal block

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	2002-1707
GTIN / EAN	4050821707516
Content	1
Order amount	50
Customer item number	

### Notes

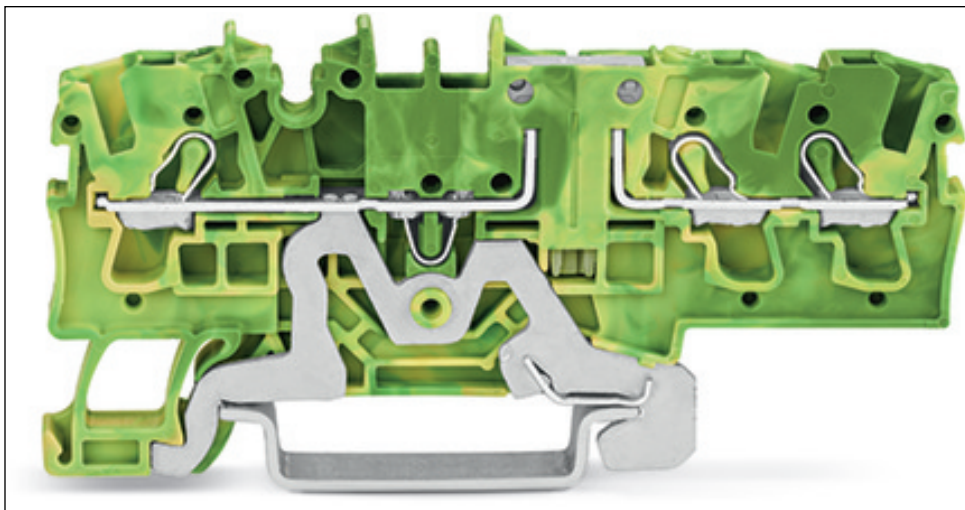
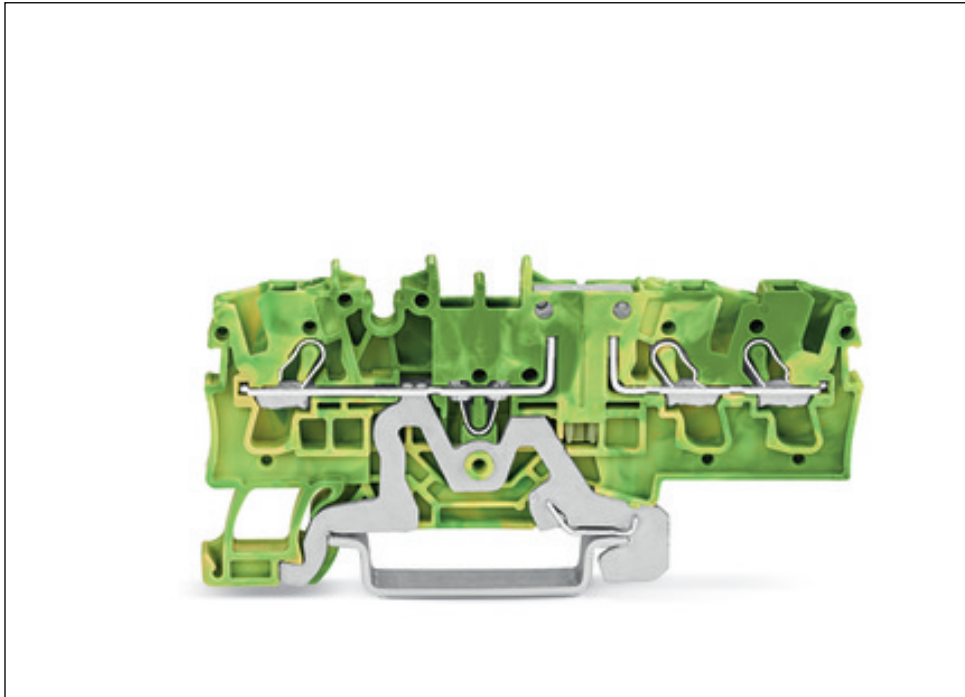
### Technical data

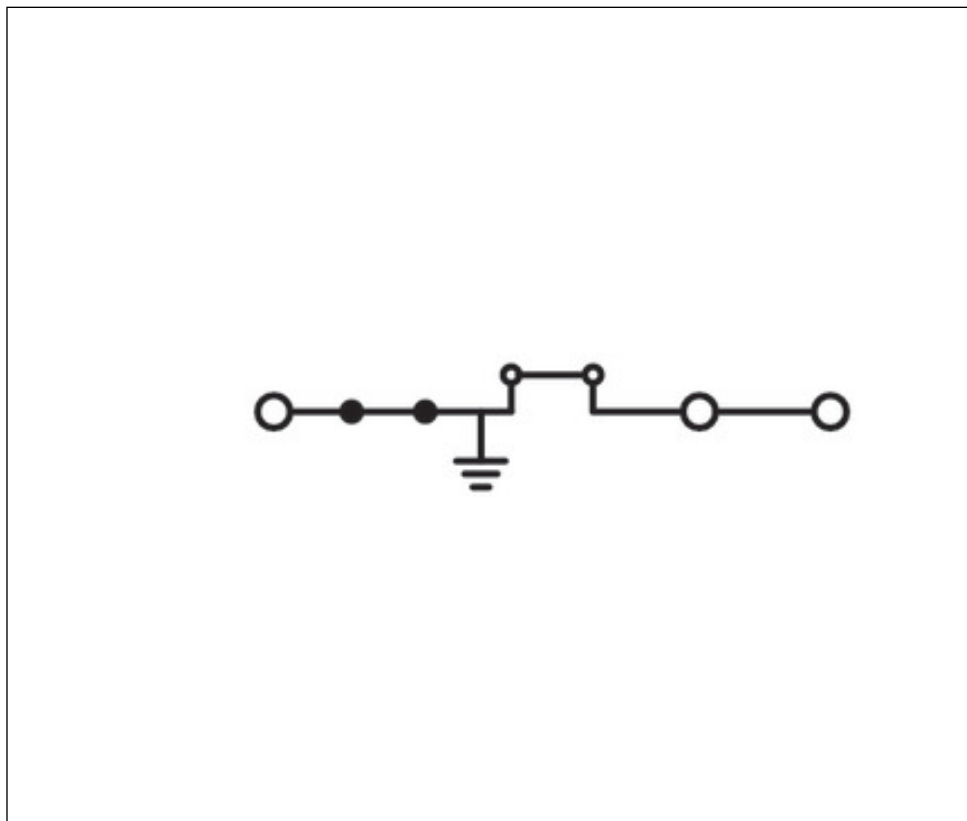
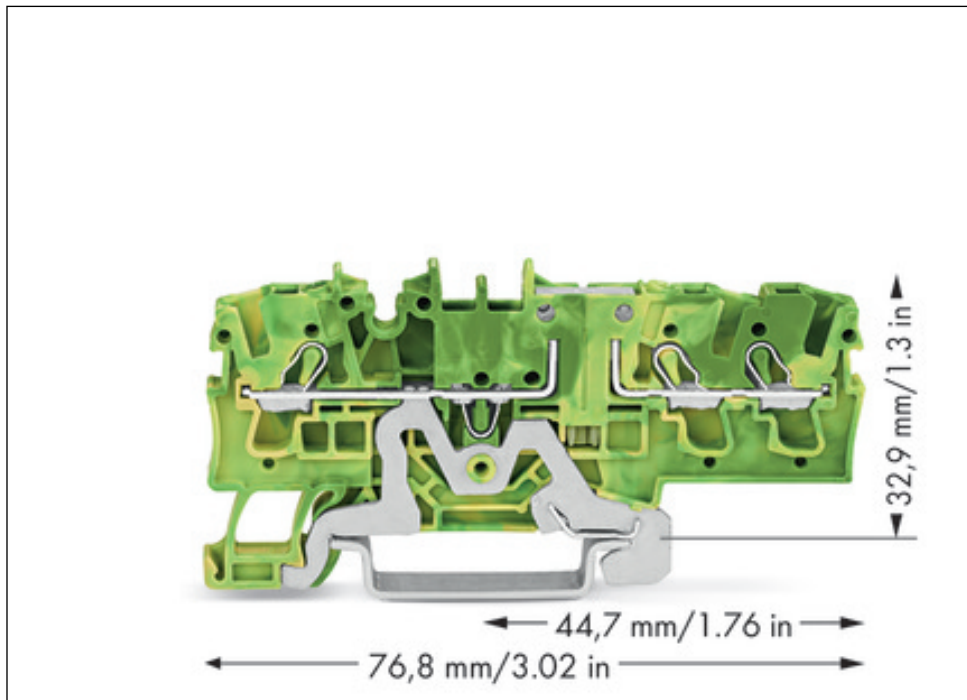
#### Miscellaneous

Packaging type	BOX
Ratings per	IEC/EN 60947-7-2
Type of wiring	Front-entry wiring
Total number of connection points	3
Total number of potentials	1
Number of levels	1

<b>Technical data</b>	
<i>Connection technology</i>	<i>Push-in CAGE CLAMP®</i>
<i>Actuation type</i>	<i>Push-in</i>
<i>Connectable conductor materials</i>	<i>Copper</i>
<i>Nominal cross section</i>	<i>2.5 mm<sup>2</sup></i>
<i>Solid conductor</i>	<i>0.25 ... 4 mm<sup>2</sup> / 22 ... 12 AWG</i>
<i>Solid conductor, push-in termination</i>	<i>0.75 ... 4 mm<sup>2</sup> / 18 ... 12 AWG</i>
<i>Fine-stranded conductor</i>	<i>0.25 ... 4 mm<sup>2</sup> / 22 ... 12 AWG</i>
<i>Fine-stranded conductor with ferrule, push-in termination, f</i>	<i>0.75 mm<sup>2</sup> / 18 AWG</i>
<i>Strip length</i>	<i>10 ... 12 mm / 0.39 ... 0.47 Inch</i>
<i>Width</i>	<i>5.2 mm / 0.205 Inch</i>
<i>Height from upper-edge of DIN-35 rail</i>	<i>32.9 mm / 1.295 Inch</i>
<i>Depth</i>	<i>76.8 mm / 3.024 Inch</i>
<i>Design</i>	<i>horizontal</i>
<i>Type of mounting</i>	<i>Carrier rail 35 x 15</i>
<i>Marking level</i>	<i>Center/side marking</i>
<i>Color</i>	<i>green-yellow</i>
<i>Insulating material</i>	<i>Polyamide 66 (PA 66)</i>
<i>Fire load [MJ]</i>	<i>0.174 [MJ]</i>
<i>Weight [g]</i>	<i>11.511 [g]</i>
<i>Product Family</i>	<i>TOPJOB® S</i>
<i>Main product function</i>	<i>GND cond. term. block</i>
<i>Product type</i>	<i>Through rail-mount term. blocks</i>

Images & drawings





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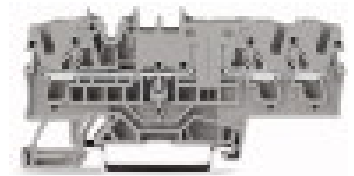
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Technische Änderungen und Irrtümer vorbehalten.



## 3-conductor through terminal block; with test option; same profile as 3-conductor disconnect terminal block

Item No.: 2002-1704



3-conductor through terminal block; with test option; same profile as 3-conductor disconnect terminal block

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	2002-1704
GTIN / EAN	4050821707509
Content	1
Order amount	50
Customer item number	

### Notes

### Technical data

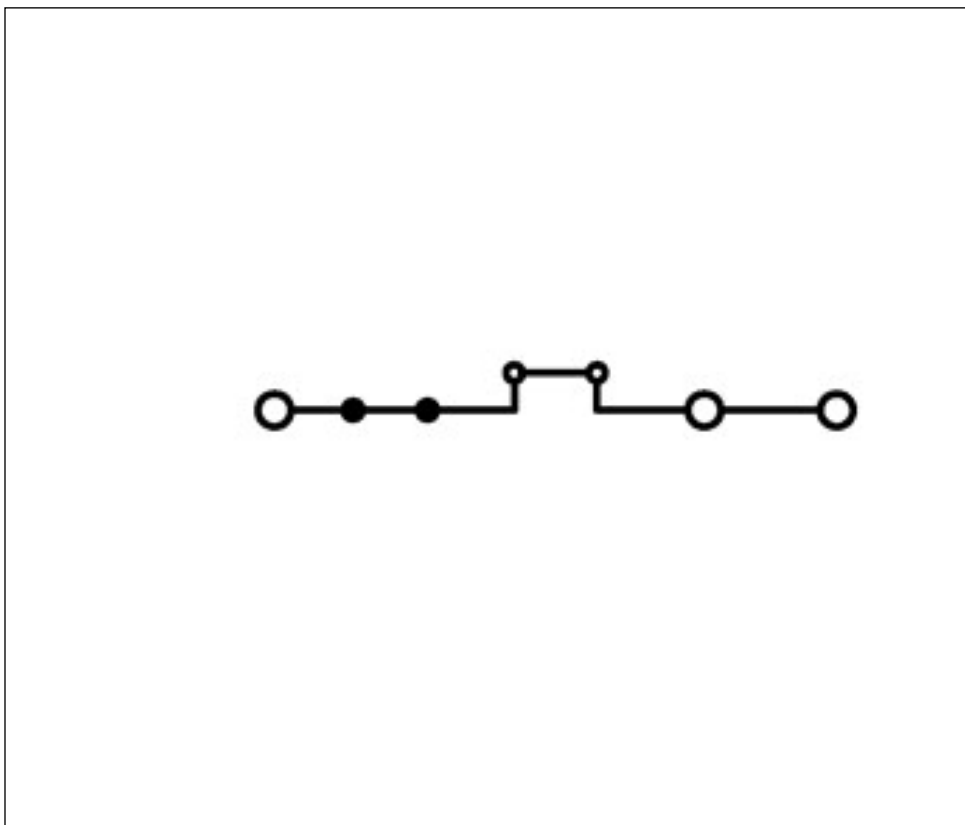
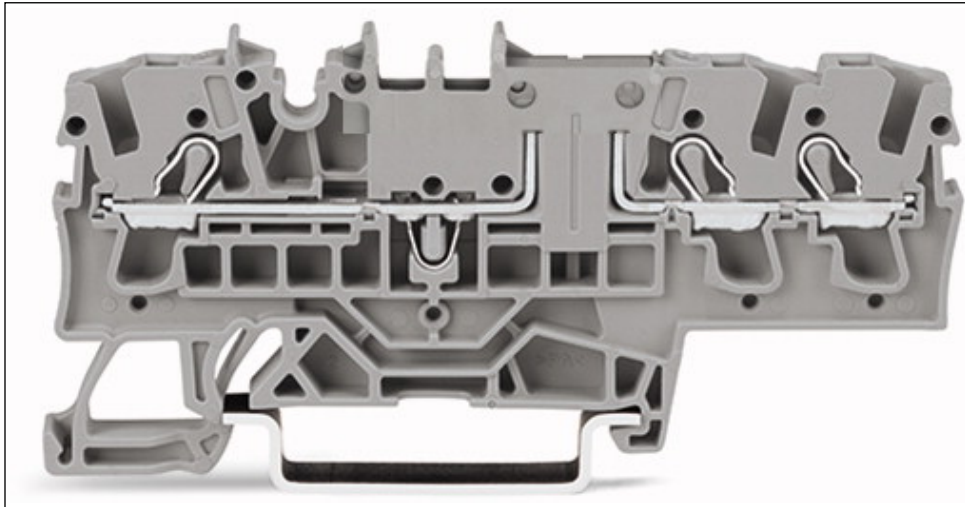
#### Miscellaneous

Packaging type	BOX
Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3) [V]	400 [V]
Rated impulse voltage (III / 3) [kV]	6 [kV]
Rated current [A]	16 [A]
Legend (ratings)	(III / 3) Overvoltage category III / Pollution degree 3



<b>Technical data</b>	
Type of wiring	Front-entry wiring
Total number of connection points	3
Total number of potentials	1
Number of levels	1
Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in
Connectable conductor materials	Copper
Nominal cross section	2.5 mm <sup>2</sup>
Solid conductor	0.25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG
Solid conductor, push-in termination	0.75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG
Fine-stranded conductor	0.25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG
Fine-stranded conductor with ferrule, push-in termination, f	0.75 mm <sup>2</sup> / 18 AWG
Strip length	10 ... 12 mm / 0.39 ... 0.47 Inch
Width	5.2 mm / 0.205 Inch
Height from upper-edge of DIN-35 rail	32.9 mm / 1.295 Inch
Depth	76.8 mm / 3.024 Inch
Design	horizontal
Type of mounting	Carrier rail 35 x 15
Marking level	Center/side marking
Color	blue
Insulating material	Polyamide 66 (PA 66)
Fire load [MJ]	0.182 [MJ]
Weight [g]	8.689 [g]
Product Family	TOPJOB® S
Main product function	Through term. block
Product type	Through rail-mount term. blocks

Images & drawings



**Address**

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Technische Änderungen und Irrtümer vorbehalten.



## Primary switch mode EPSITRON® COMPACT Power supplies; 1-phase; 24 VDC; 1.3 A

Item No.: 787-1102



Primary switch mode EPSITRON® COMPACT Power supplies; 1-phase; 24 VDC; 1.3 A

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	787-1102
GTIN / EAN	4055143421997
Content	1
Order amount	1
Customer item number	

### Notes

*Item description: Switched-mode power supply Stepped profile for installation in standard distribution boards Pluggable picoMAX® connection technology (tool-free) Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950-1 Suitable for both parallel and series operation Ambient temperature: -25 °C ... +60 °C (UL: -25 °C ... +55 °C); Device start at -40 °C type-tested External fuse (recommended): Circuit breakers 6 A, 10 A, 16 A, characteristic: B or C An external DC fuse is required for the DC input voltage*

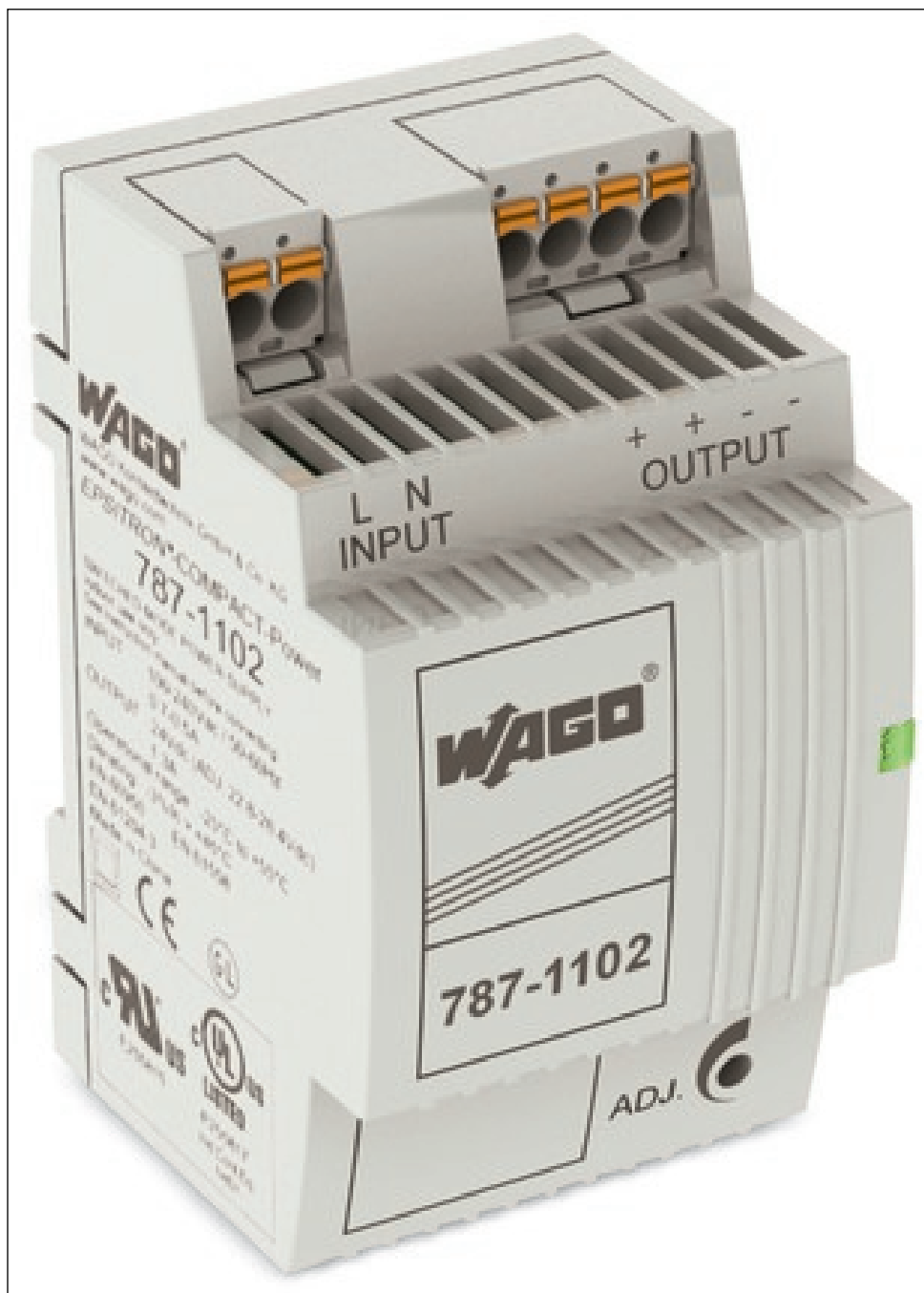
### Technical data

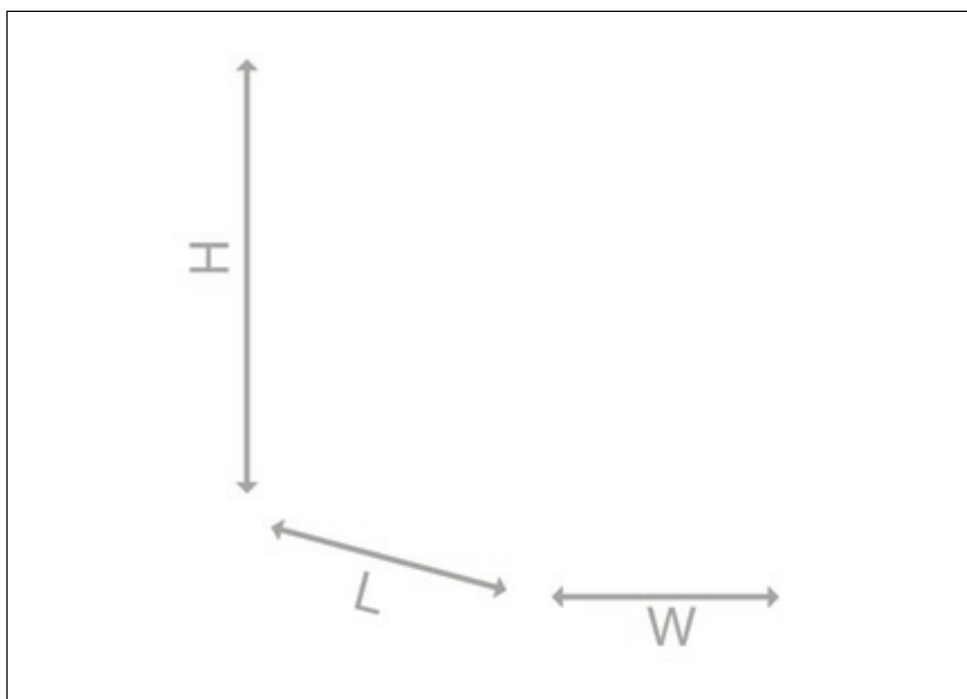
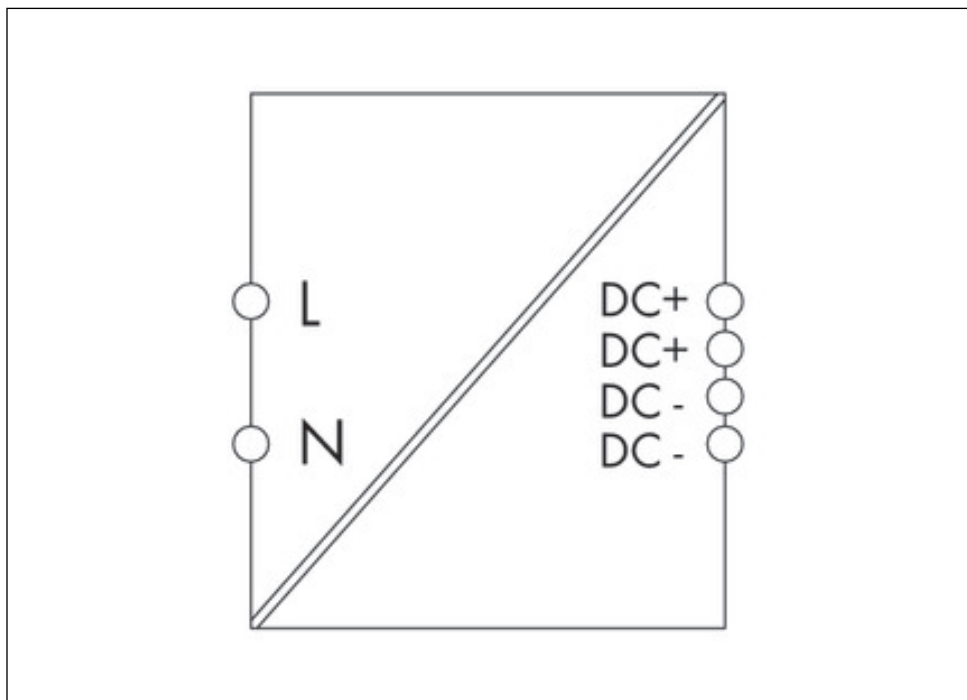
#### Miscellaneous

Packaging type	BOX
Connection type (1)	Input/Output

<b>Technical data</b>	
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 Inch
Connection technology 1	picoMAX® (WAGO 2092 Series)
Width	54 mm / 2.126 Inch
Height	89 mm / 3.504 Inch
Depth	59 mm / 2.323 Inch
Mounting type	DIN-rail mount (EN 60715)
Type of mounting	DIN-35 rail
Degree of protection	IP20 per EN 60529
Flammability class per UL94	V0
Weight [g]	170 [g]
Ambient temperature (operation)	-25 ... 60 °C
Ambient temperature (storage)	-25 ... 80 °C
Relative humidity	5 % ... 96 % (no condensation permissible)
Derating	-3 % / K (> 45 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721)
Conformity marking	CE
Standards/specifications	EN 60950-1; EN 61204-3; UL 60950-1; UL 508; GL
Housing design	DIN-rail-mount enclosure
Product Family	EPSITRON COMPACT Power
Main product function	Power supply unit
Product type	Power supply units
Min. nominal input voltage. (AC) [V]	100 [V]
Max. nominal input voltage (AC) [V]	240 [V]

Images & drawings





**Address**

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Technische Änderungen und Irrtümer vorbehalten.





## Controller PFC100; 2 x ETHERNET

Item No.: 750-8101



Controller PFC100; 2 x ETHERNET

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	750-8101
GTIN / EAN	4055143351843
Content	1
Order amount	1
Customer item number	

### Notes

*Item description: The PFC100 Controller is a compact PLC for the modular WAGO-I/O-SYSTEM. Besides network and fieldbus interfaces, the controller supports all digital, analog and specialty I/O modules found within the 750/753 Series. Two ETHERNET interfaces and an integrated switch enable line topology wiring. An integrated Webserver provides user configuration options, while displaying PFC100 status information. Besides the processing industry and building automation, typical applications for the PFC100 include standard machinery and equipment control (e.g., packaging, bottling and manufacturing systems, as well as textile, metal and wood processing machines). The DIP switch configures the last byte of the IP address and may be used for IP address assignment. Programming per IEC 61131-3 Programmable via e!COCKPIT Direct connection of WAGO I/O modules 2 x ETHERNET (configurable) Linux 3.18 operating system with RTPreemption patch Configuration via e!COCKPIT or Web-Based Management user interface Maintenance-free*

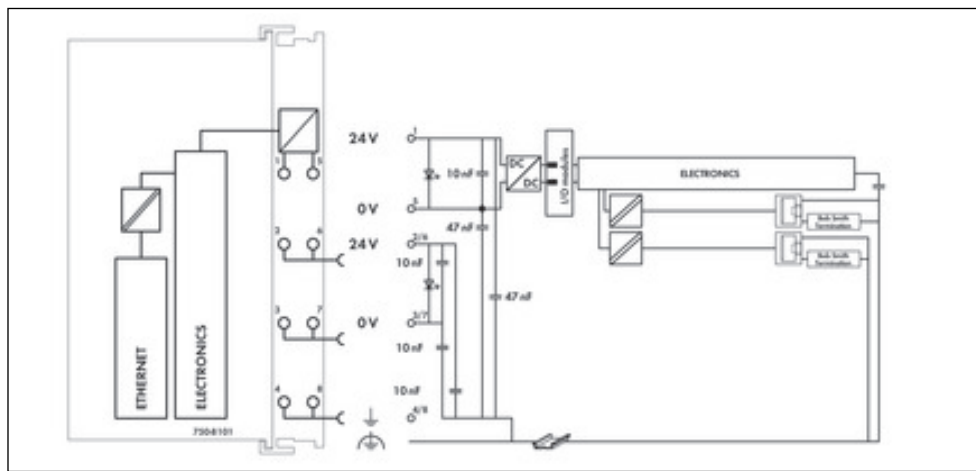
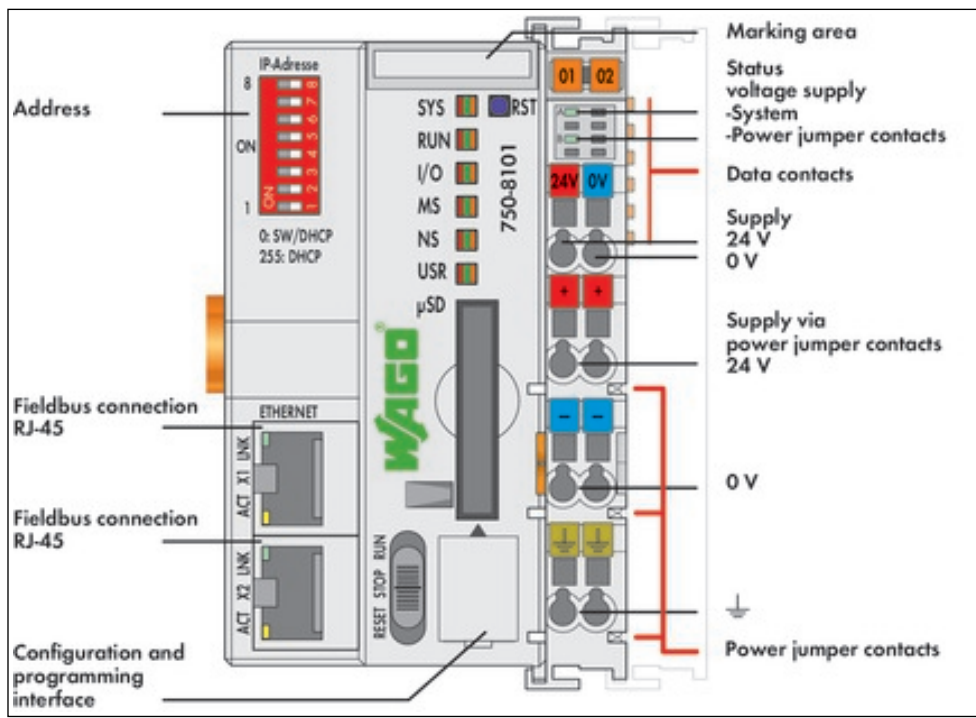
### Technical data

<b>Technical data</b>	
<i>Miscellaneous</i>	
<i>Packaging type</i>	<i>BOX</i>
<i>Communication</i>	<i>Modbus TCP</i>
<i>Ethernet protocol</i>	<i>DHCP</i>
<i>CPU</i>	<i>Cortex-A8, 600 MHz</i>
<i>Operating system</i>	<i>Real-time Linux 3.18 (with RT-Preemption patch)</i>
<i>Programming environment</i>	<i>e!COCKPIT (based on CODESYS 3)</i>
<i>Programming languages per IEC 61131-3</i>	<i>Instruction List (IL)</i>
<i>Visualization</i>	<i>Web-Visu</i>
<i>Baud rate</i>	<i>ETHERNET: 10/100 Mbit/s</i>
<i>Memory card slot</i>	<i>Push-push mechanism, sealable cover lid</i>
<i>Program memory</i>	<i>12 MByte</i>
<i>Data memory</i>	<i>12 MByte</i>
<i>Software non-volatile memory [KB]</i>	<i>64 [KB]</i>
<i>Hardware non-volatile memory [KB]</i>	<i>64 [KB]</i>
<i>Number of modules per node max.</i>	<i>250</i>
<i>Number of I/O modules without bus extension max.</i>	<i>64</i>
<i>Configuration options</i>	<i>e!COCKPIT</i>
<i>Input and output process image (internal) max.</i>	<i>1000 Words/1000 Words</i>
<i>Input and output process image (MODBUS) max.</i>	<i>32000 Words/32000 Words</i>
<i>Total current for system supply [mA]</i>	<i>1700 [mA]</i>
<i>Field supply voltage</i>	<i>DC 24 V (-25 ... +30 %); über Leistungskontakte</i>
<i>Input current typ. at rated load (24 V) [mA]</i>	<i>550 [mA]</i>
<i>Isolation</i>	<i>500 V system/supply</i>
<i>Number of outgoing power jumper contacts</i>	<i>3</i>
<i>Current carrying capacity of the power jumper contacts [A]</i>	<i>10 [A]</i>
<i>Anschlusschnik: Kommunikation/Feldbus</i>	<i>Modbus TCP/UDP: 2 x RJ-45</i>
<i>Number of connections: Field supply</i>	<i>6</i>
<i>Connection technology: Field supply</i>	<i>CAGE CLAMP®</i>
<i>Number of connections: system supply</i>	<i>2</i>
<i>Connection technology: system supply</i>	<i>CAGE CLAMP®</i>
<i>Number of connections: device configuration</i>	<i>1</i>
<i>Connection technology: device configuration</i>	<i>4-pole male connector</i>
<i>Connection type (1)</i>	<i>System-/Feldversorgung</i>
<i>Solid conductor</i>	<i>0.08 ... 2.5 mm<sup>2</sup> / 28 ... 14 AWG</i>

<b>Technical data</b>	
<i>Fine-stranded conductor</i>	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
<i>Strip length</i>	8 ... 9 mm / 0.31 ... 0.35 Inch
<i>Width</i>	61.5 mm / 2.421 Inch
<i>Height</i>	71.9 mm / 2.831 Inch
<i>Height from upper-edge of DIN-35 rail</i>	64.7 mm / 2.547 Inch
<i>Depth</i>	100 mm / 3.937 Inch
<i>Type of mounting</i>	DIN-35 rail
<i>Color</i>	light gray
<i>Housing material</i>	Polycarbonate, polyamide 6.6
<i>Weight [g]</i>	154 [g]
<i>Conformity marking</i>	CE
<i>Ambient temperature (operation)</i>	0 ... 55 °C
<i>Ambient temperature (storage)</i>	-25 ... 85 °C
<i>Degree of protection</i>	IP20
<i>Degree of pollution (5)</i>	2 per IEC 61131-2
<i>Mounting position</i>	any
<i>Relative air humidity (no condensation) [%]</i>	95 [%]
<i>Vibration resistance</i>	4g gemäß IEC 60068-2-6
<i>Shock resistance</i>	15g per IEC 60068-2-27
<i>EMC immunity to interference</i>	acc. to EN 61000-6-2, marine applications
<i>EMC emission of interference</i>	acc. to EN 61000-6-3, marine applications
<i>Exposure to pollutants</i>	Per IEC 60068-2-42 and IEC 60068-2-43
<i>Zulässige Schadstoffkonzentration H2S bei einer r</i>	10 [ppm]
<i>Zulässige Schadstoffkonzentration SO2 bei einer r</i>	25 [ppm]
<i>Product Family</i>	PFC Controllers
<i>Main product function</i>	PFC100 controllers
<i>Product type</i>	Controller

Images & drawings







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Technische Änderungen und Irrtümer vorbehalten.



## 3-Phase Power Measurement; 690 VAC Rogowski coils

Item No.: 750-495/000-002



3-Phase Power Measurement; 690 VAC Rogowski coils

### Marking

RoHS ✓  
Compliant

### Business data

Supplier	WAGO
Item no.	750-495/000-002
GTIN / EAN	4050821841593
Content	1
Order amount	1
Customer item number	

### Notes

*Item description:* The 750-495 3-Phase Power Measurement Module measures electrical data in a three-phase supply network. The voltage is measured via network connection to L1, L2, L3 and N. The current of the three phases is fed to IL1, IL2, IL3 and IN (two clamping points each +,-) via current transformers. The 750-495 Module transmits metrics (e.g., reactive/apparent/effective power, energy consumption, power factor, phase angle, frequency, over-/undervoltage) directly into the process image, without requiring high computing power from the controller. Both comprehensive metrics and harmonic analysis up to the 41st harmonic permit extensive network analysis via the fieldbus. Metrics allow the operator to optimize the supply to a drive or machine, protecting the system from damage and failure. Insulation failures can be detected and prevented via current measurement performed in the neutral conductor. The 4-quadrant display indicates the type of load (inductive, capacitive) and whether it is an energy consumer or producer. *Signal form:* any periodic signals (in consideration of the threshold frequencies) *Measured values:* Line-to-line voltage, power output, energy, power factors, mains frequency, harmonic analysis (up to the 41st harmonic), THD

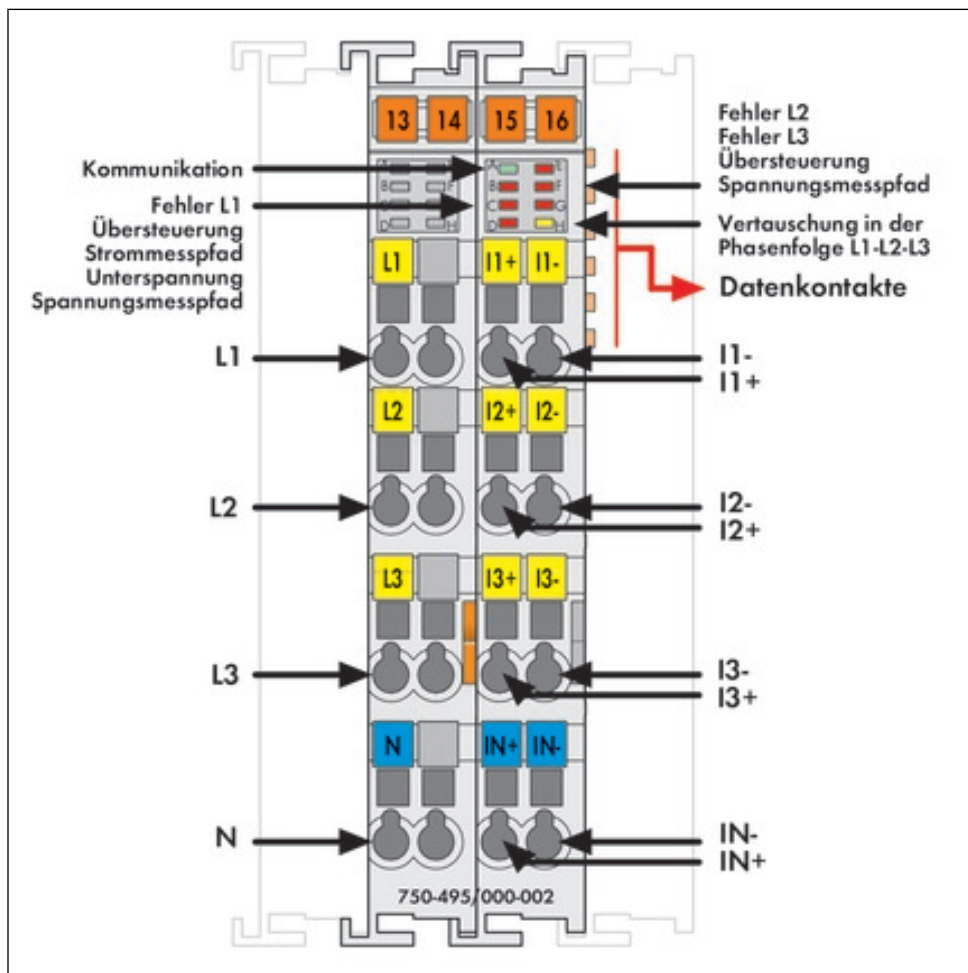
<b>Technical data</b>	
<i>Miscellaneous</i>	
<i>Packaging type</i>	<i>BOX</i>
<i>Number of analog inputs</i>	<i>7</i>
<i>Total number of channels (module)</i>	<i>7</i>
<i>Type of signal</i>	<i>Power measurement</i>
<i>Resolution [bit] [Bit]</i>	<i>24 [Bit]</i>
<i>Bit width</i>	<i>2 x 128-bit data; 2 x 64-bit control/status</i>
<i>Input resistance voltage path (typ.) [k]</i>	<i>1429 [k]</i>
<i>Eingangswiderstand Strompfad typ.</i>	<i>44 k</i>
<i>Bezug für Mess-/Ausgabefehler</i>	<i>AC Strom/Spannung</i>
<i>Mess-/Ausgabefehler, Bezugstemperatur [°C]</i>	<i>25 [°C]</i>
<i>Mess-/Ausgabefehler, Abweichung [% of the full scale value]</i>	<i>±0.5 [% of the full scale]</i>
<i>Measuring current (max.)</i>	<i>Rogowski Coils RT500/RT2000</i>
<i>Measuring cycle time</i>	<i>Adjustable for arithmetic mean value, Min_Max_Values</i>
<i>Frequency range, power supply frequency</i>	<i>45 ... 65 Hz</i>
<i>Frequency range, harmonics analysis</i>	<i>0 ... 3300 Hz</i>
<i>Operating frequency max. [kHz]</i>	<i>15.9 [kHz]</i>
<i>Rated voltage</i>	<i>VLN = 400 VAC; VLL = 690 VAC</i>
<i>Messkomponenten</i>	<i>Auswerten</i>
<i>Measuring procedure</i>	<i>True RMS measurement</i>
<i>System supply voltage</i>	<i>DC 5 V; via data contacts</i>
<i>Current consumption, system supply [mA]</i>	<i>100 [mA]</i>
<i>Isolation</i>	<i>6 kV System/Feld</i>
<i>Rated surge voltage</i>	<i>6 kV</i>
<i>Number of connections: Inputs/outputs</i>	<i>16</i>
<i>Connection technology: inputs/outputs</i>	<i>CAGE CLAMP®</i>
<i>Connection type (1)</i>	<i>Ein-/Ausgänge</i>
<i>Solid conductor</i>	<i>0.08 ... 2.5 mm<sup>2</sup> / 28 ... 14 AWG</i>
<i>Fine-stranded conductor</i>	<i>0.08 ... 2.5 mm<sup>2</sup> / 28 ... 14 AWG</i>
<i>Strip length</i>	<i>8 ... 9 mm / 0.31 ... 0.35 Inch</i>
<i>Width</i>	<i>24 mm / 0.945 Inch</i>
<i>Height</i>	<i>67.8 mm / 2.669 Inch</i>
<i>Height from upper-edge of DIN-35 rail</i>	<i>60.6 mm / 2.386 Inch</i>
<i>Depth</i>	<i>100 mm / 3.937 Inch</i>

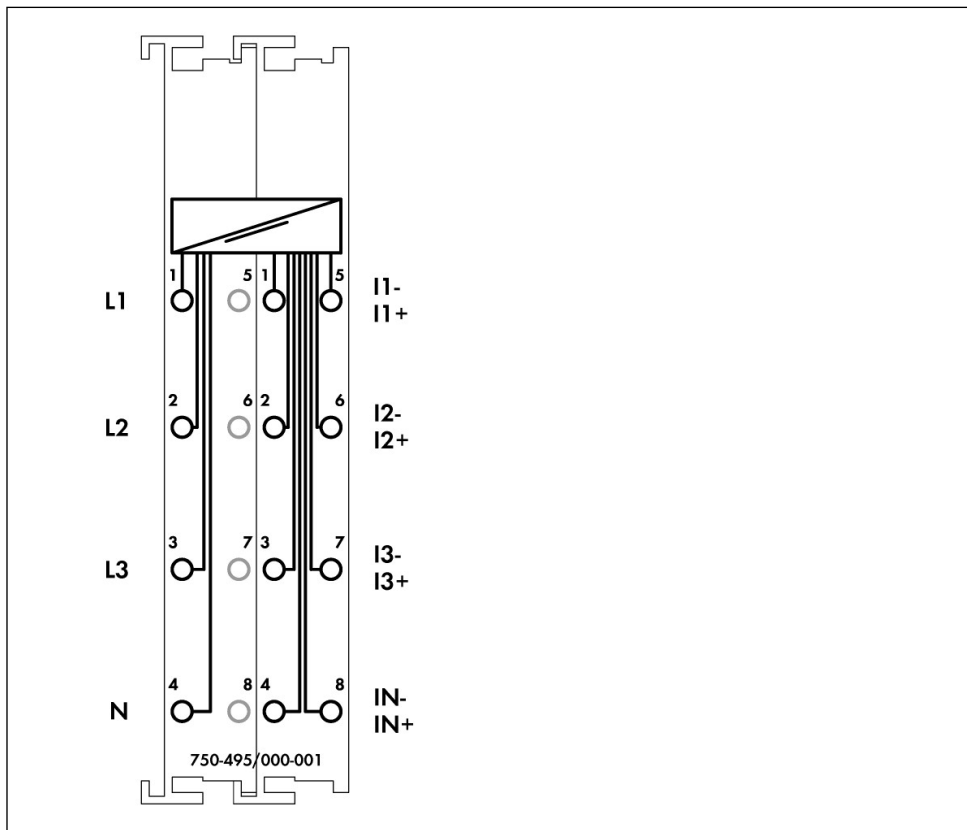


<b>Technical data</b>	
Type of mounting	DIN-35 rail
Housing material	Polycarbonate, polyamide 6.6
Fire load [MJ]	1.678 [MJ]
Weight [g]	84.88 [g]
Conformity marking	CE
Ambient temperature (operation)	0 ... 55 °C
Ambient temperature (storage)	-25 ... 85 °C
Degree of protection	IP20
Degree of pollution (5)	2
Mounting position	any
Relative air humidity (no condensation) [%]	95 [%]
Vibration resistance	4g gemäß IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-3
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Zulässige Schadstoffkonzentration H2S bei einer r	10 [ppm]
Zulässige Schadstoffkonzentration SO2 bei einer r	25 [ppm]
Product Family	750/753 Series I/O-System
Main product function	Analog input
Product type	Analog modules

Images & drawings







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Technische Änderungen und Irrtümer vorbehalten.



## End module

Item No.: 750-600



End module

### Marking

RoHS   
Compliant

### Business data

Supplier	WAGO
Item no.	750-600
GTIN / EAN	4045454073985
Content	1
Order amount	1
Customer item number	

### Notes

*Item description:* After the fieldbus node is assembled with the correct buscoupler and I/O modules, the end module is snapped onto the assembly. It completes the internal data circuit and ensures correct data flow.

### Technical data

#### Miscellaneous

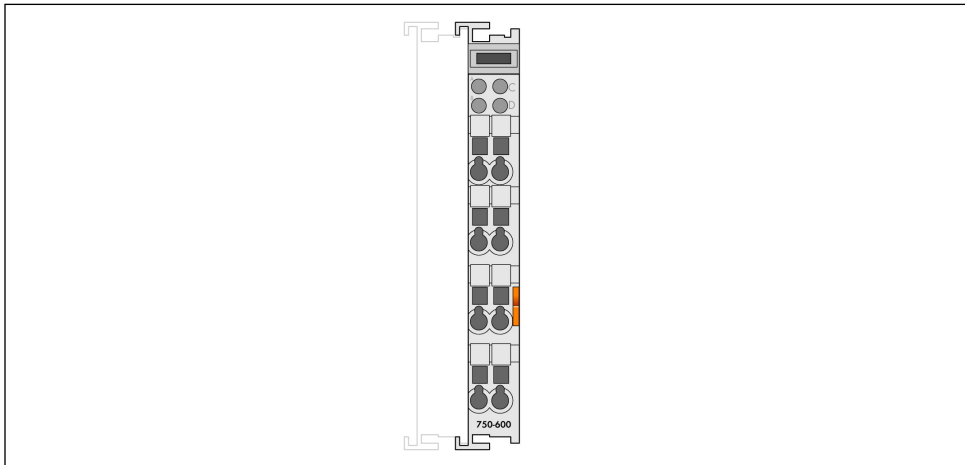
Packaging type	BOX
Width	12 mm / 0.472 Inch
Height	69.8 mm / 2.748 Inch
Height from upper-edge of DIN-35 rail	62.6 mm / 2.465 Inch
Depth	100 mm / 3.937 Inch

<b>Technical data</b>	
Type of mounting	DIN-35 rail
Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Fire load [MJ]	1.083 [MJ]
Weight [g]	32.298 [g]
Conformity marking	CE
Ambient temperature (operation)	0 ... 55 °C
Ambient temperature (storage)	-25 ... 85 °C
Degree of protection	IP20
Degree of pollution (5)	2 per IEC 61131-2
Mounting position	any
Relative air humidity (no condensation) [%]	95 [%]
Vibration resistance	4g gemäß IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Zulässige Schadstoffkonzentration H2S bei einer r	10 [ppm]
Zulässige Schadstoffkonzentration SO2 bei einer r	25 [ppm]
Product Family	750/753 Series I/O-System
Main product function	End module
Product type	Supply and segment modules

Images & drawings







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Technische Änderungen und Irrtümer vorbehalten.

Printview: Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm - Item No.: 855-9450/2000-701



**Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm**

Item No.: 855-9450/2000-701



Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm

## Marking

RoHS ✓  
Compliant

## Business data

Supplier	WAGO
Item no.	855-9450/2000-701
GTIN / EAN	4055143419239
Content	1
Order amount	1
Customer item number	

## Notes

*Item description: Short description: WAGO's Rogowski coils are closed-air coils featuring a non-magnetic split core that can be connected to a Rogowski Signal Conditioner (857-552). Easy installation of the Rogowski coils allows existing systems to be retrofitted without time-consuming installation or process interruption. Rogowski technology allows the coils to measure a wide primary current range without loss of accuracy because there are no saturation effects. Features: Rated insulation voltage: 1000 V Cat. III/600 V Cat. IV Accuracy class 1 per EN 61869-2 IP67 degree of protection Measurement coil diameter: 70, 125 or 175 mm Length of signal lines: 1.5 m or 4.5 m Ambient operating temperature: -40 °C ... +80 °C Sealable bayonet connector Fixing lugs for cable ties Output signal voltage: (at 50 Hz)*

## Technical data

Printview: Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm - Item No.: 855-9450/2000-701

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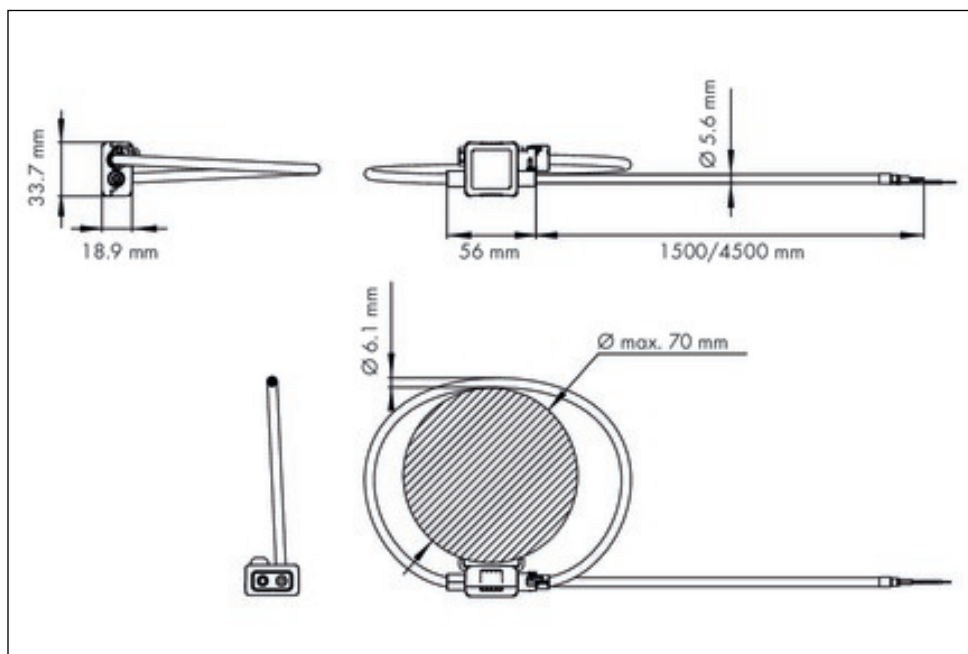
#### Technical data

##### Miscellaneous

<i>Feedthrough for measurement conductor</i>	<i>Ø 70 mm</i>
<i>Type of mounting</i>	<i>Split-core current transformer</i>
<i>Degree of protection</i>	<i>IP67</i>
<i>Weight [g]</i>	<i>130 [g]</i>
<i>Ambient temperature (operation)</i>	<i>-40 ... 80 °C</i>
<i>Ambient temperature (storage)</i>	<i>-40 ... 80 °C</i>
<i>Relative air humidity (no condensation) [%]</i>	<i>90 [%]</i>
<i>Max. operating altitude [m]</i>	<i>2000 [m]</i>
<i>Conformity marking</i>	<i>CE</i>
<i>Measured variable</i>	<i>Current</i>
<i>Main product function</i>	<i>Rogowski coil</i>
<i>Product type</i>	<i>Current transformers</i>

Printview: Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm - Item No.: 855-9450/2000-701

## Images & drawings



Printview: Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m;  
Accuracy class: 1; Feedthrough for measurement conductor 70 mm - Item No.: 855-9450/2000-701

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Technische Änderungen und Irrtümer vorbehalten.