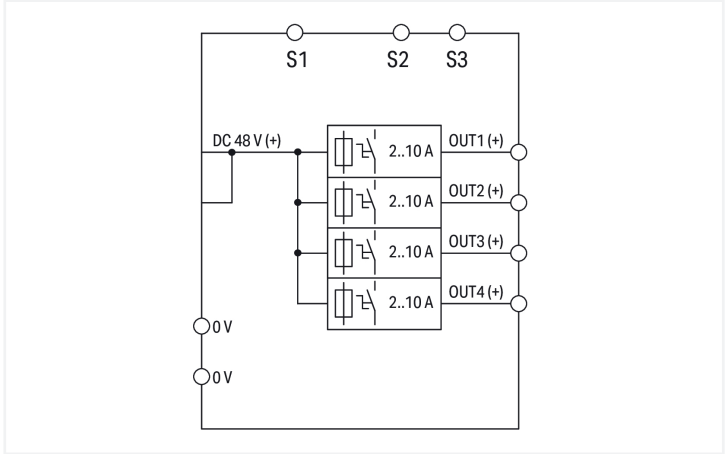
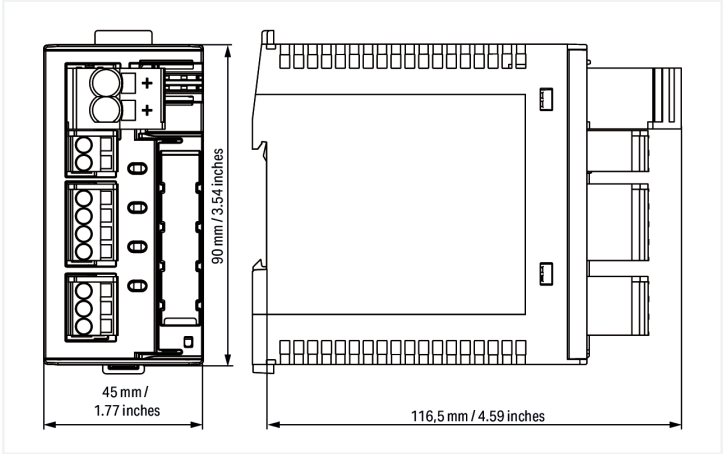




Similar to illustration



Features:

- Space-saving ECB with four channels
- Nominal current: 2 ... 10 A (adjustable for each channel via sealable selector switch)
- Switch-on capacity > 23000 μ F per channel
- One illuminated, three-colored button per channel simplifies switching (on/off), resetting, and on-site diagnostics
- Time-delayed switching of channels
- Tripped message (group signal)
- Status message for each channel via pulse sequence
- Remote input resets tripped channels or switches on/off any number of channels via pulse sequence

Technical data			
Input		Output	
Nominal input voltage $U_{i\text{nom}}$	48 VDC	Total number of channels (module)	4
Input voltage range	32 ... 58 VDC	Nominal output voltage $U_{o\text{nom}}$	4 x 48 VDC
		Output voltage range	32 ... 58 VDC (U_e – voltage drop)
		Voltage drop	≤ 175 mV (10 A) (Input (+))
		Nominal output current $I_{o\text{nom}}$	4 x 2 / 3 / 4 / 6 / 8 / 10 A (adjustable for each channel via selector switch)
		Default Setting	DC 10 A; switched on
		Trip time	16 ms ... 100 s (load-dependent)
		Switch-on capacity	
		Switch-on behavior	Time-delayed channel switching (load-dependent, min. 50 ms / max. 5 s)
		Active current limitation	No



Output	
Current limitation	No

Signaling and communication	
Signaling	4 x LED (green/red/orange) 1 x Remote control input (S1) 2 x Active signal output (S2; S3)
Operation status indicator	Green LED (channel OK) Red LED (tripped channel)
Remote input	Reactivation of all tripped channels via 15 ... 58 VDC pulse for min. 500 ms Switching on/off any number of channels via pulse sequence

Efficiency/power losses	
Power loss P _I	≤ 0.84 W; ≤ 8 W (4 x 10 A)
Efficiency (typ.)	99 %

Circuit protection	
Internal fuse	T 15 A per channel

Safety and protection	
Isolation voltage (connectors – housing)	0.5 kVDC
Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	No
Resistance to reverse feed	≤ 58 VDC
Pollution degree	2
Transient suppression (primary)	Suppressor diode (68 V)
Parallel operation of single channels	Not permitted
Series operation	No
MTBF	> 500,000 h (per IEC 61709)

Connection data			
Connection 1		Connection 2	
Connection type 1	Input (+)	Connection type	Input (–); output; signaling
Connection technology	Push-in CAGE CLAMP®	Connection technology	CAGE CLAMP®
WAGO connector	WAGO 831 Series	WAGO connector 2	WAGO 721 Series
Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches	Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data	
Width	45 mm / 1.772 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	115.5 mm / 4.547 inches

Mechanical data	
Mounting type	DIN-35 rail



Material data		
Fire load		0.651 MJ
Weight		170 g

Environmental requirements		
Ambient temperature (operation)		-25 ... +70 °C
Ambient temperature (storage)		-25 ... +85 °C
Relative humidity		5 ... 96 % (no condensation permissible)
Derating		≥ 50 °C (see instruction manual)

Standards and specifications		
Conformity marking		CE
Standards/specifications		EN 61000-6-2 EN 61000-6-3 UL 508 UL 2367 DNV

Commercial data		
eCl@ss 10.0		27-37-18-02
eCl@ss 9.0		27-37-18-02
ETIM 9.0		EC001440
ETIM 8.0		EC001440
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		DE
Customs tariff number		85363010000

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Confor-	-	-
EAC	TP TC 020/2011	EAC CoC 03081	mity		
GZO Almaty Standart			WAGO GmbH & Co. KG		

Approvals for marine applications



Approval	Standard	Certificate Name
DNV	-	TAA0000281
DNV GL SE		



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance	787-1664/000-200		

Documentation

Bid Text			
787-1664/000-200	03.07.2019	xml 7.21 KB	
787-1664/000-200	02.07.2019	docx 20.99 KB	

Instruction Leaflet		
Elektronische Schutzschalter	pdf 591.36 KB	

CAD/CAE-Data

CAD data	
2D/3D Models	
787-1664/000-200	

CAE data	
EPLAN Data Portal	
787-1664/000-200	
WSCAD Universe	
787-1664/000-200	
ZUKEN Portal	
787-1664/000-200	

Libraries

Library			
Anbindung Stromversorgungen Serie 787	1.0.0 28.08.2017	zip 340.24 KB	
Anbindung Stromversorgungen Serie 787	1.3.0 14.05.2014	zip 549.48 KB	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker



Item No.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



1.1.1.2 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white



Item No.: 210-831
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

1.1.2 Tool

1.1.2.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured



Item No.: 210-769
SCREWDRIVER; green