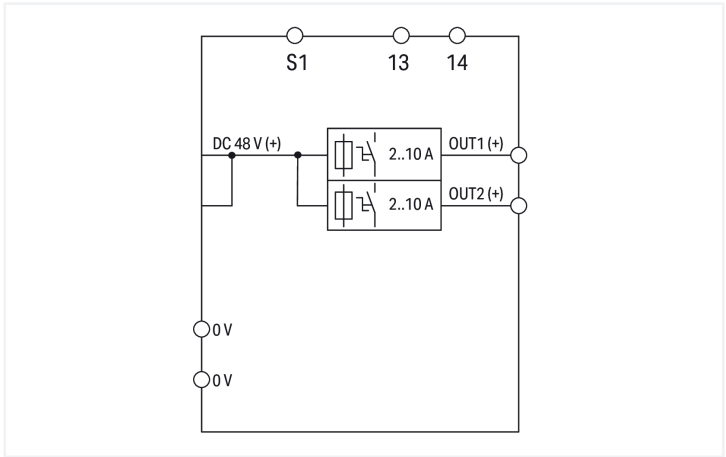
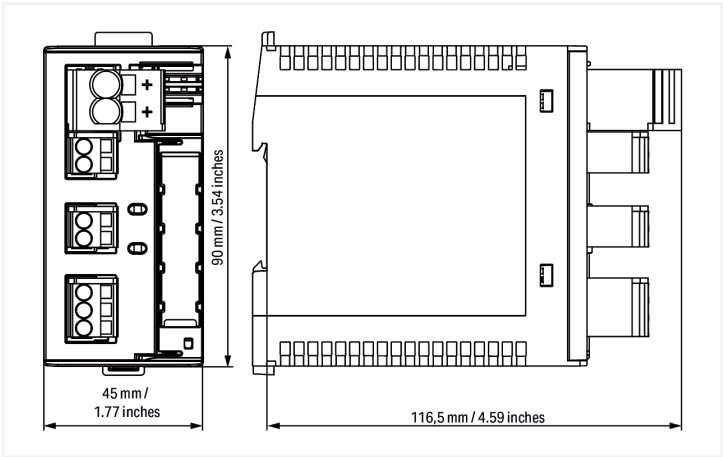




Similar to illustration



- Features:**
- Space-saving ECB with two 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 (common group signal) via isolated contact (13 / 14)
 - Remote input resets all tripped channels
 - Potential-free signal contact 13 / 14 reports "channel switched off" and "tripped channel" – does not support communication via pulse sequence

Technical data			
Input		Output	
Nominal input voltage $U_{i\text{nom}}$	48 VDC	Total number of channels (module)	2
Input voltage range	32 ... 58 VDC	Nominal output voltage $U_{o\text{nom}}$	2 x 48 VDC
		Output voltage range	32 ... 58 VDC (U_e – voltage drop)
		Voltage drop	≤ 175 mV (10 A) (Input (+))
		Nominal output current $I_{o\text{nom}}$	2 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	2 x LED (green/red/orange) 1 x Remote control input (S1) 1 x Group signal contact (13; 14)
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

Efficiency/power losses	
Power loss P _I	≤ 0.84 W; ≤ 4.5 W (2 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 type 1	Input (+)
Connection technology	Push-in CAGE CLAMP® CAGE CLAMP®
WAGO connector	WAGO 831 Series
Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG 0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG 0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches 8 ... 9 mm / 0.31 ... 0.35 inches
Connection type	Input (-); output; signaling
WAGO connector 2	WAGO 721 Series

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	0.655 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	No derating

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 DNV GL SE	-	TAA0000281



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance			
787-1662/000-250			

Documentation

Bid Text			
787-1662/000-250	03.07.2019	xml 7.12 KB	
787-1662/000-250	02.07.2019	docx 20.70 KB	

Instruction Leaflet		
Elektronische Schutzschalter	pdf 572.00 KB	

Application Notes

Application note SIEMENS			
Elektronische Schutzschalter Serie 787 ab FW2.24 (a500371)	1.0.0 14.02.2017	zip 13109.22 KB	

CAD/CAE-Data

CAD data	
2D/3D Models	
787-1662/000-250	

CAE data	
EPLAN Data Portal	
787-1662/000-250	
WSCAD Universe	
787-1662/000-250	

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