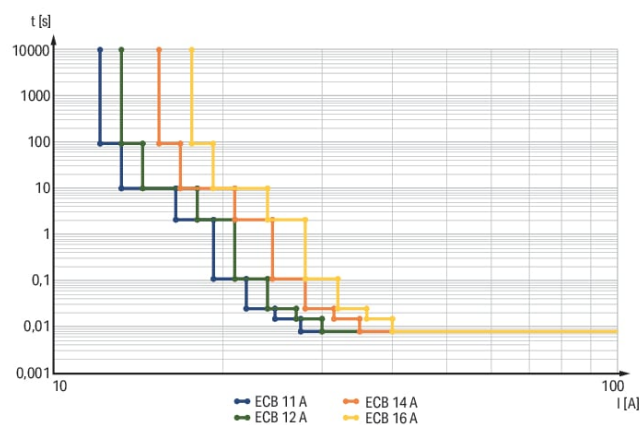
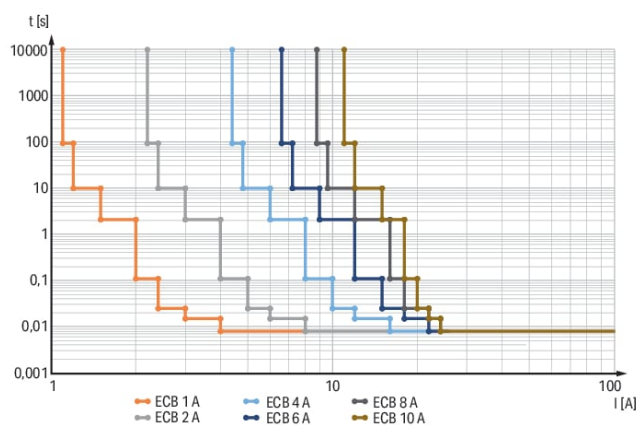
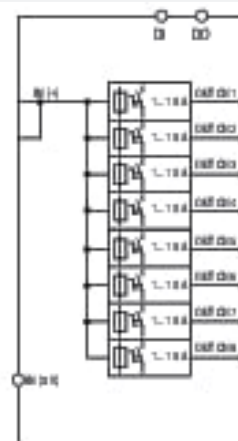
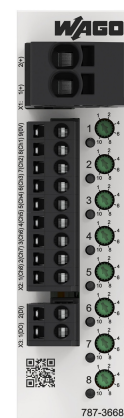


Data Sheet | Item Number: 787-3668

Electronic circuit breaker; 8-channel; 24 VDC input voltage; adjustable 1 ... 10 A; Signal contact

<https://www.wago.com/787-3668>



Features:

- Space-saving ECB with eight channels
- Nominal current: 1 ... 10 A (adjustable for each channel via sealable selector switch)
- Switch-on capacity > 50,000 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)
- Remote input resets tripped channels or switches on/off any number of channels



Technical data			
Input		Output	
Nominal input voltage U _{i nom}	DC 24 V	Total number of channels (module)	8
Input voltage range	DC 18 ... 30 V	Nominal output voltage U _{o nom}	8 x DC 24 V
		Output voltage range	DC 18 ... 30 V (U _e – voltage drop)
		Voltage drop	≤ 250 mV (Input (+))
		Nominal output current I _{o nom}	8 x 1 / 2 / 4 / 6 / 8 / 10 A (adjustable for each channel via selector switch)
		Default Setting	DC 1 A; switched on
		Switch-on capacity	
		Switch-on behavior	Time-delayed channel switching (load-dependent, min. 50 ms / max. 10 s)
		Active current limitation	No
		Current limitation	No
Signaling and communication		Efficiency/power losses	
Signaling	8 x LED (green/red/orange) 1 x Remote control input (S1) 1 x active signal output (S2)	Power loss P _I	≤ 1.6 W; ≤ 20 W (8 x 10 A)
Operation status indicator	Green LED (channel OK) Red LED (tripped channel)	Efficiency (typ.)	98 %
Remote input	Reactivation of all tripped channels via 15 ... 30 VDC pulse for min. 500 ms		
Circuit protection			
Internal fuse	T 12 A per channel		
Safety and protection			
Isolation voltage (connectors – housing)	DC 0.5 kV		
Protection class	III		
Protection type	IP20; per EN 60529		
Reverse voltage protection	No		
Resistance to reverse feed	≤ DC 35 V		
Pollution degree	2		
Transient suppression (primary)	Suppressor diode (33 V)		
Parallel operation of single channels	Permissible		
Series operation	No		
Connection data			
Connection type 1	Input (+)		
Connection technology	Push-in CAGE CLAMP®		
WAGO connector	WAGO 831 Series		
Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG		
Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG		
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches		
Connection type 2	Input (-); output; signaling		
Connection technology 2	CAGE CLAMP®		
WAGO connector 2	WAGO 231 Series		
Solid conductor 2	0.08 ... 2.5 mm² / 28 ... 12 AWG		
Fine-stranded conductor 2	0.08 ... 2.5 mm² / 28 ... 12 AWG		
Strip length 2	8 ... 9 mm / 0.31 ... 0.35 inches		



Physical data	
Width	32 mm / 1.26 inches
Height	115 mm / 4.527 inches
Depth from upper-edge of DIN-rail	157.5 mm / 6.2 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Fire load	4.018 MJ
Weight	250.3 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 61010-2-201 UL 2367

Commercial data	
ETIM 8.0	EC001440
ETIM 7.0	EC001440
PU (SPU)	1 pcs
Country of origin	IN
Customs tariff number	85363010900

Environmental Product Compliance	
CAS-No.	11120-22-2 1303-86-2 1317-36-8 7439-92-1
REACH Candidate List Substance	Lead silicate Diboron trioxide Lead Lead monoxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	1b096b43-55d6-42ac-9e27-a729b6c0f24a
SCIP notification number (Belgium)	0e72ed8b-ad22-44d0-bc63-2ccf12256009
SCIP notification number (Bulgaria)	129ec3e7-f34c-488e-88a9-23d5952da89d
SCIP notification number (Czech Republic)	c261144b-a59d-4439-b19b-452377eabd1f
SCIP notification number (Denmark)	2298a4f3-869c-43c3-a0cb-9b1424c4be1f
SCIP notification number (Finland)	6bbd5b85-da4c-40a0-bb96-ceb614172ee8
SCIP notification number (France)	7ac1a503-2246-4ca5-b5f5-00c27a0a8304
SCIP notification number (Germany)	505b9f67-7fd3-4b05-9418-2d3f2e18513b
SCIP notification number (Hungary)	5201706a-78d1-44ca-b7ba-4feaddb56194



Environmental Product Compliance

SCIP notification number (Italy)	82097060-cc58-46c7-98d3-0e3ea1a7dd78
SCIP notification number (Netherlands)	ccc2cd1c-27b1-4300-957f-61c13a6e0243
SCIP notification number (Poland)	ca9ae455-3a43-453c-a133-f7eec5b3449f
SCIP notification number (Romania)	6159b594-e5c2-4f48-9bb8-2ff4e8d4b6e0
SCIP notification number (Sweden)	840aee4b-fc81-4c48-8cbb-dde2a9cab069

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	-	E175199	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

		
Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA- TIONS)	-	E198726

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-3668	

Documentation

Manual				Instruction Leaflet			
Electronic circuit brea- ker	V 1.0.0 01.02.2024	pdf 5030.38 KB		Elektronischer Schutz- schalter	V 1.0.0 10.10.2023	pdf 2408.55 KB	

CAD/CAE-Data

CAD data
2D/3D Models 787-3668



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