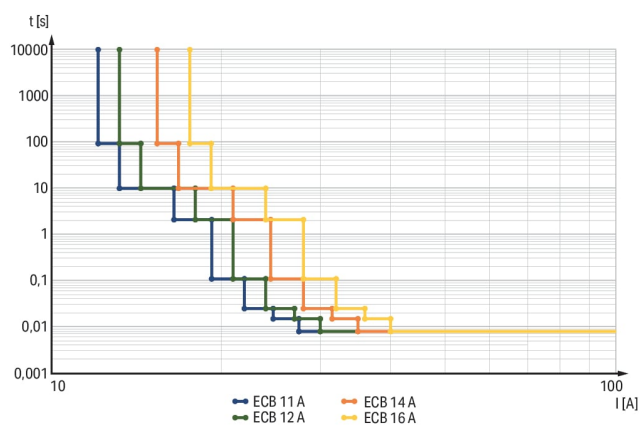
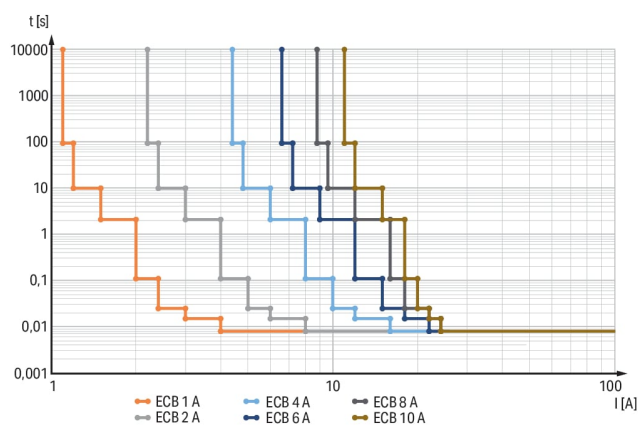
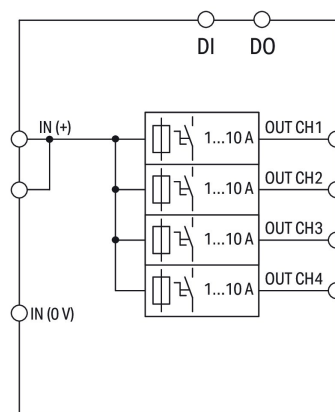


Data Sheet | Item Number: 787-3664

Electronic circuit breaker; 4-channel; 24 VDC input voltage; adjustable 1 ... 10 A; Signal contact

<https://www.wago.com/787-3664>



Features:

- Space-saving ECB with four 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)	4
Input voltage range	DC 18 ... 30 V	Nominal output voltage U _{o nom}	4 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}	4 x 1 / 2 / 4 / 6 / 8 / 10 A (adjustable for each channel via selector switch)
		Default Setting	DC 1 A; switched off
		Trip time	16 ms ... 100 s (load-dependent)
		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	4 x LED (green/red/orange) 1 x Remote control input (S1) 1 x active signal output (S2)	Power loss P _I	≤ 0.84 W; ≤ 10 W (4 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® 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 231 Series		



Physical data	
Width	32 mm / 1.26 inches
Height	95 mm / 3.74 inches
Depth from upper-edge of DIN-rail	117.5 mm / 4.626 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Fire load	2.444 MJ
Weight	152.2 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 9.0	EC001440
ETIM 8.0	EC001440
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	IN
Customs tariff number	85363010000

Environmental Product Compliance	
CAS-No.	11120-22-2 1303-86-2 1317-36-8 7439-92-1
REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide Lead silicate
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	770d0258-4fab-4b14-9c3b-8c07d2a2de62
SCIP notification number (Belgium)	808de5c5-bfd4-463b-a91a-1d79bdd2a549
SCIP notification number (Bulgaria)	fd5ee284-c087-4d01-b003-b36bc59328d9
SCIP notification number (Czech Republic)	086b0409-eaf9-4fa5-9cfc-8fa3f2633649
SCIP notification number (Denmark)	ccd5ad61-d492-409c-838b-006109b18149
SCIP notification number (Finland)	03978a26-1fb5-4c30-ba89-22c9c9249c5a
SCIP notification number (France)	89c babec-d00c-4dfc-9803-bb5c106334f0
SCIP notification number (Germany)	06760d83-7273-42a9-9ce9-07ddd1817cc1



Environmental Product Compliance	
SCIP notification number (Hungary)	01a51be0-50c4-48ef-8dd7-25d668e6ac5f
SCIP notification number (Italy)	a0f3a029-f535-4074-b652-0920bdb89b42
SCIP notification number (Netherlands)	7f04007f-93e7-47a7-8896-cb44a0762e97
SCIP notification number (Poland)	d9c6557a-34e9-431c-8ea4-73801fdf7ed0
SCIP notification number (Romania)	376f4cf4-ed3-498d-9624-ae3494364574
SCIP notification number (Sweden)	68a94c82-e3c9-4324-87cb-112be317bd67

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199
Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-3664	

Documentation			
Manual		Instruction Leaflet	
Electronic circuit breaker	V 1.0.0 01.02.2024	pdf 5590.84 KB	
		Elektronischer Schutzschalter	V 1.0.0 10.10.2023 pdf 2402.31 KB 

CAD/CAE-Data	
CAD data	
2D/3D Models 787-3664	



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