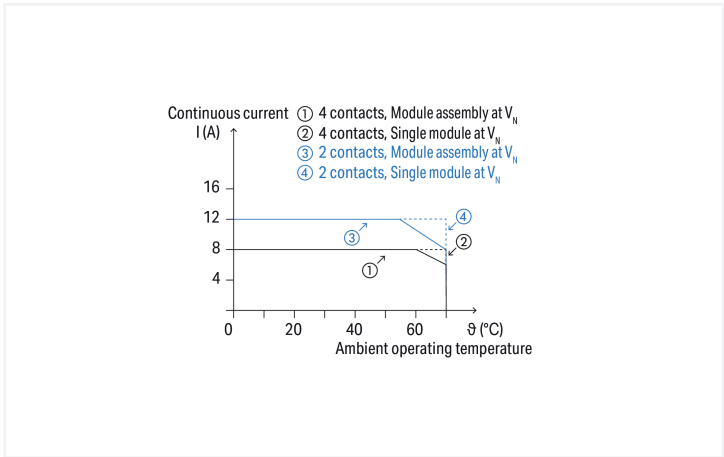
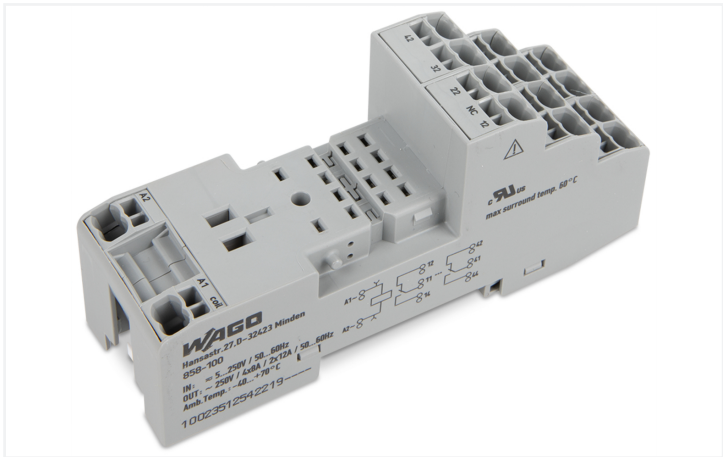
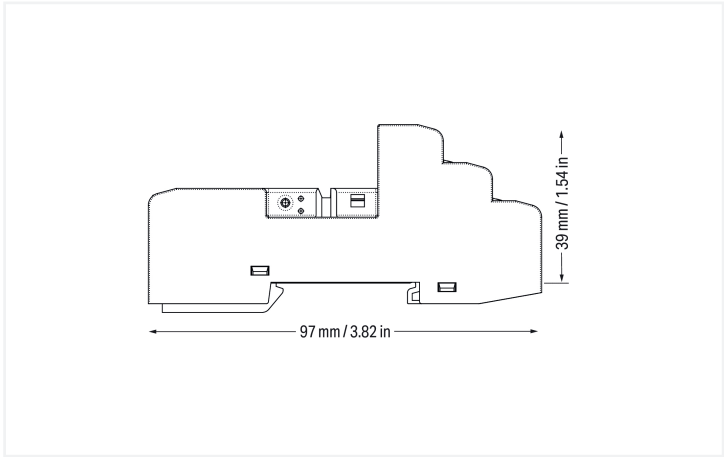
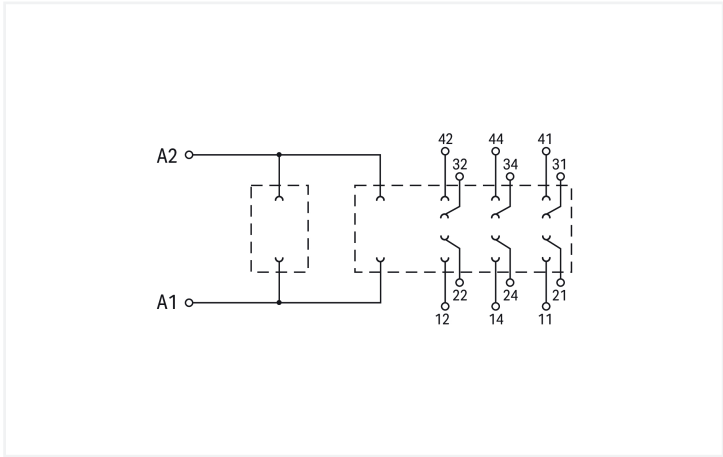




Current-carrying capacity curve



Notes	
Note	The specified technical data are maximum values. They may be limited by the accessories used.

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	5 ... 250 VAC/VDC	Number of changeover/switchover contacts	4
Input voltage range	0 ... 250 VAC/VDC	Limiting continuous current	8 A (4 x); 12 A (2 x)
Nominal frequency range	50 ... 60 Hz	Switching Voltage, Max.	250 VAC; 250 VDC
		Nominal frequency range	≤60 Hz



Safety and protection		
Rated Voltage		300 V
Overvoltage category		II
Pollution degree		2
Dielectric strength (control/load circuit) (AC, 1 min)		3 kVrms
Dielectric strength (open contact) (AC, 1 min)		1 kVrms
Insulation type (control/load circuit)		Reinforced insulation (safe isolation)
Insulation type (load/load circuit)		Basic insulation
Insulation type (between adjacent devices of the same type)		Basic insulation
Protection type		IP20

Connection Data		
Connection technology		Push-in CAGE CLAMP®
Solid conductor		0.34 ... 1.5 mm² / 22 ... 16 AWG
Fine-stranded conductor		0.34 ... 1.5 mm² / 22 ... 16 AWG
Strip length		9 ... 10 mm / 0.35 ... 0.39 inches
Note (conductor cross-section)		2 x 0.34 ... 2 x 1.5 mm² / 1 x 2.5 mm² / 2 x 22 ... 2 x 16 AWG

Physical data		
Width		31 mm / 1.22 inches
Height		97 mm / 3.819 inches
Depth from upper-edge of DIN-rail		39 mm / 1.535 inches

Mechanical data		
Mounting type		DIN-35 rail

Material data		
Note (material data)		Information on material specifications can be found here
Fire load		1.012 MJ
Weight		56.8 g

Environmental requirements		
Ambient temperature (operation at U _N)		-40 ... +70 °C
Ambient temperature (storage)		-40 ... +80 °C
Processing temperature		-25 ... +50 °C
Temperature range of connection cable		≥ (T _{ambient} + 30 K)
Relative humidity		5 ... 95 % (no condensation permissible)
Operating altitude (max.)		2000 m

Standards and Specifications		
Standards/specifications		EN 61010-2-201 UR



Commercial data		
Product Group	6 (INTERFACE ELECTRONIC)	
PU (SPU)	10 pcs	
Packaging type	Box	
Country of origin	CN	
GTIN	4055143669078	
Customs tariff number	85366990990	

Product Classification		
UNSPSC	39122333	
eCl@ss 10.0	27-37-16-03	
eCl@ss 9.0	27-37-16-03	
ETIM 9.0	EC001456	
ETIM 10.0	EC001456	
ECCN	NO US CLASSIFICATION	

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
cURus Underwriters Laboratories Inc.	UL 508	E175199 Vol.2 Sec.1	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance		
Compliance Search		
Environmental Product Compliance 858-100		

Documentation					
Bid Text				Instruction Leaflet	
858-100	19.02.2019	xml 3.72 KB		Stecksocket für Elementarrelais	V 2.0.0 25.01.2022 pdf 2130.02 KB 
858-100	29.11.2018	doc 25.50 KB			



CAD/CAE-Data	
CAD data 2D/3D Models 858-100 ↓	CAE data EPLAN Data Portal 858-100 ↓ WSCAD Universe 858-100 ↓ ZUKEN Portal 858-100 ↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay

 Item No.: 858-162 Basic relay; Nominal input voltage: 110 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm	 Item No.: 858-164 Basic relay; Nominal input voltage: 12 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm	 Item No.: 858-158 Basic relay; Nominal input voltage: 120 VAC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm	 Item No.: 858-153 Basic relay; Nominal input voltage: 230 VAC; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Module width: 22 mm; Module height: 25 mm
 Item No.: 858-151 Basic relay; Nominal input voltage: 230 VAC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 25 mm	 Item No.: 858-154 Basic relay; Nominal input voltage: 24 VAC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm	 Item No.: 858-152 Basic relay; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Module width: 22 mm; Module height: 35mm	 Item No.: 858-171 Basic relay; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Module width: 22 mm; Module height: 35mm
 Item No.: 858-150 Basic relay; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm	 Item No.: 858-170 Basic relay; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm	 Item No.: 858-161 Basic relay; Nominal input voltage: 48 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm	

1.1.2 Ferrule

1.1.2.1 Ferrule

 Item No.: 216-241 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	 Item No.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	 Item No.: 216-242 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	 Item No.: 216-142 Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
 Item No.: 216-243 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	 Item No.: 216-143 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	 Item No.: 216-244 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	 Item No.: 216-144 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



1.1.2.1 Ferrule



Item No.: 216-246
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored

Item No.: 216-207
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; gray

Item No.: 216-107
Ferrule; Sleeve for 4 mm² / AWG 12; uninsulated; electro-tin plated

1.1.3 Indicators

1.1.3.1 Status indication



Item No.: 788-125
Accessories for relay modules; Operation status indicator: red

Item No.: 788-121
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage range: 48 ... 60 VDC

Item No.: 788-122
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 110 VDC

Item No.: 788-124
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 115 VAC



Item No.: 788-123
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VAC

Item No.: 788-120
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC

1.1.4 Installation

1.1.4.1 Ejector



Item No.: 858-110
Ejector; for basic relays 25 mm x 35 mm

1.1.5 Jumper

1.1.5.1 Jumper



Item No.: 858-402
Jumper; 2-way; insulated; light blue

1.1.6 Marking

1.1.6.1 Marker



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



1.1.6.2 Marking strip



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