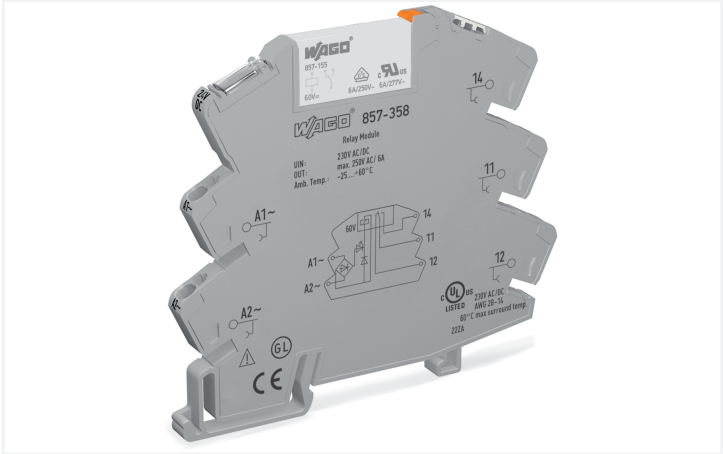


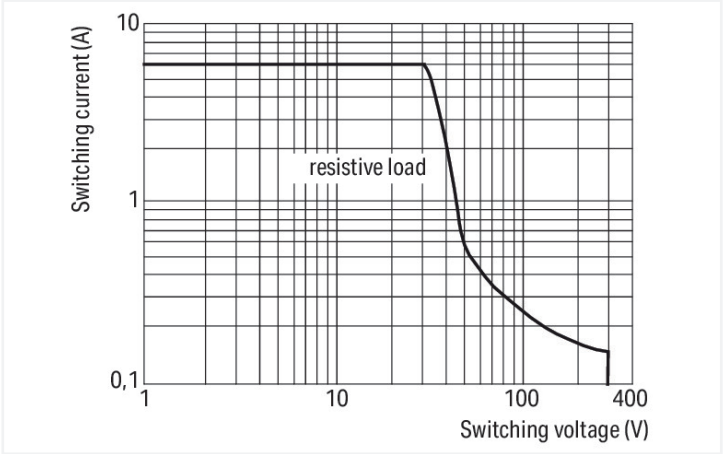
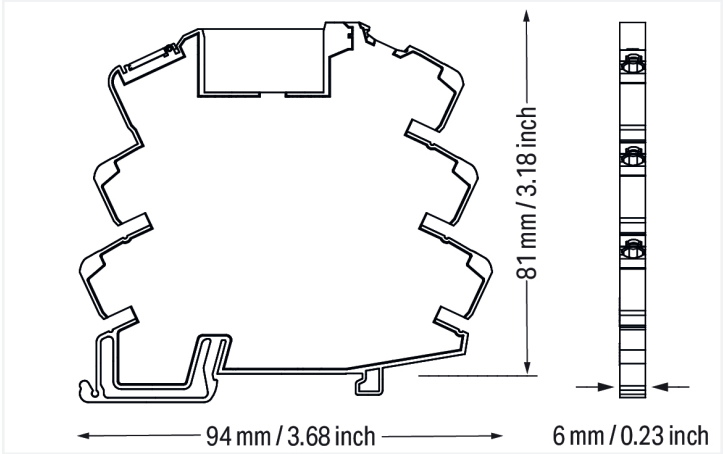
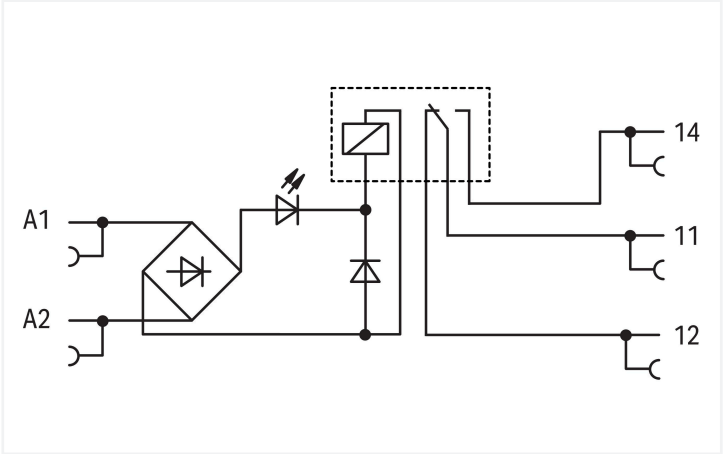
Data Sheet | Item Number: 857-358

Relay module; Nominal input voltage: 230 V AC/DC; 1 changeover contact; Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm; gray

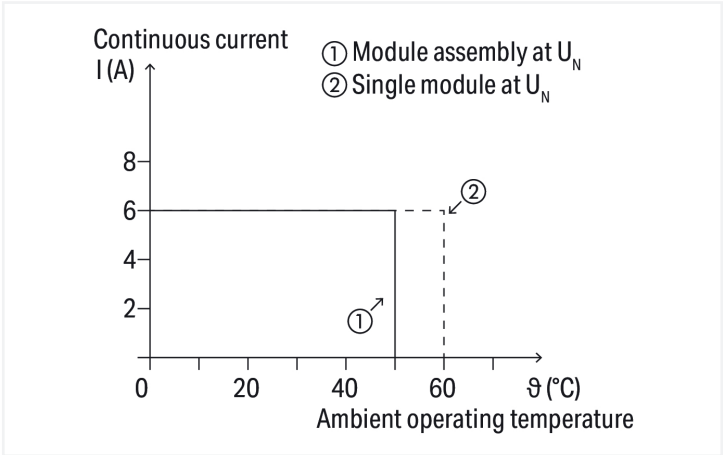
<https://www.wago.com/857-358>



Color: ■ gray



DC load limit curve



Current-carrying capacity curve



Notes	
Safety Information	Adjacent devices of the same type are devices of the same design (series) that are arranged next to one another on the DIN-rail with the same orientation. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.
Note	To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Technical data	
Control circuit	Load circuit
Nominal input voltage U _N	230 VAC/VDC
Input voltage range	-20 ... +10 %
Nominal input current at U _N	4 mA
Nominal frequency range (input voltage)	50 ... 60 HzAC / 0 HzDC
	Number of changeover/switchover contacts
	1
	Contact material (relay)
	AgSnO ₂
	Limiting continuous current
	6 A
	Inrush current (resistive) max.
	(AC) 20 A / 0.02 s
	Switching Voltage, Max.
	250 VAC
	Switching power (resistive) max.
	AC 1500 VA; DC (see load limit curve)
	Switching capacity
	AC-15: 3 A / 250 VAC; DC-13: 2 A / 24 VDC
	Recommended minimum load
	10 V / 10 mA; 24 V / 1 mA
	Pull-in time (typ.)
	15 ms
	Drop-out time (typ.)
	25 ms
	Bounce time (typ.)
	3.5 ms
	Electrical life (NO; resistive load; 23 °C)
	50 x 10 ³ switching operations
	Mechanical life
	5 x 10 ⁶ switching operations
	Switching frequency with/without load (max.)
	6 min ⁻¹ / 180 min ⁻¹

Signaling	
Status indicator	Yellow LED

Safety and protection	
Rated Voltage	300 V
Rated impulse withstand voltage	4 kV
Type of circuits	Mains circuits
Overvoltage category	III
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	3.51 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Insulation type (control/load circuit)	Reinforced insulation (safe isolation)
Insulation type (between adjacent devices of the same type)	Double insulation (safe isolation)
Insulation type (to adjacent devices of different types)	Basic insulation
Safety Information	Adjacent devices of the same type are devices of the same design (series) that are arranged next to one another on the DIN-rail with the same orientation. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.
Protection type	IP20



Connection data	
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.34 ... 1.5 mm² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data	
Width	6 mm / 0.236 inches
Height	94 mm / 3.701 inches
Depth from upper-edge of DIN-rail	81 mm / 3.189 inches

Mechanical data	
Mounting type	DIN-35 rail
Mounting position	horizontal (standing/lying); vertical

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Insulation material (main housing)	Polyamide (PA66)
Material group	I
Flammability class per UL94	V0
Fire load	0.535 MJ
Weight	32 g

Environmental requirements	
Ambient temperature (operation at U _N)	-40 ... +60 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 30 K)
Relative humidity	5 ... 85 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications	
Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508 ATEX IECEX DNV




Basic relay		
WAGO Basic Relay		857-155

Commercial data		
Product Group	6 (INTERFACE ELECTRONIC)	
PU (SPU)	25 (1) pcs	
Packaging type	Box	
Country of origin	CN	
GTIN	4045454471576	
Customs tariff number	85364900990	

Product classification		
UNSPSC	39122334	
eCl@ss 10.0	27-37-16-01	
eCl@ss 9.0	27-37-16-01	
ETIM 9.0	EC001437	
ETIM 8.0	EC001437	
ECCN	NO US CLASSIFICATION	

Environmental Product Compliance		
CAS-No.	7439-92-1 79-94-7	
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead	
RoHS Compliance Status	Compliant,With Exemption	
RoHS Exemption	7(a) 7(c)-I	
SCIP notification number (Austria)	f818d2f9-e068-4960-84e7-051e0bc6770a	
SCIP notification number (Belgium)	bfbc772b-b4b8-45f5-9d58-8f4ae3f16f3a	
SCIP notification number (Bulgaria)	5ba8d05c-eb61-45b3-9c92-3968d6dfc9e9	
SCIP notification number (Czech Republic)	c7d5a1dd-d979-41b8-a037-6f5ec8c511d1	
SCIP notification number (Denmark)	b86b3760-7c7c-496f-a91d-2f023fa7a59d	
SCIP notification number (Finland)	bc4cda41-2ca1-4ab7-a0bb-8bc24dd0bd1e	
SCIP notification number (France)	3aa32fc7-30e1-4f51-8dbd-d0e5b3186ba0	
SCIP notification number (Germany)	2b324c73-0a67-496a-9f31-4c22143dfc05	
SCIP notification number (Hungary)	bf421f8d-7984-4114-89f9-2ff6a07a020a	
SCIP notification number (Italy)	fdd16442-0599-4aba-b9dc-a005abee02b5	
SCIP notification number (Netherlands)	fa727e75-07da-4fd6-8fec-5f0f3bcf90d9	
SCIP notification number (Poland)	33a73284-a6c6-4271-ad16-753ce839b287	
SCIP notification number (Romania)	e574fe86-0b41-4888-b3ea-6e8428ea33df	
SCIP notification number (Sweden)	18b1e73a-d9eb-4bc8-9c02-7ae8fc0831ce	

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
	Approval	Certificate Name
	Standard	
	Certificate Name	
UL	UL 508	E175199 Sec.4
Underwriters Laboratories Inc. (ORDINARY LOCATIONS)		
Approval		Certificate Name
Standard		
Certificate Name		
EU-Declaration of Conformity WAGO GmbH & Co. KG		-
UK-Declaration of Conformity WAGO GmbH & Co. KG		-



Approvals for marine applications



Approval	Standard	Certificate Name
BV Bureau Veritas S.A.	Rules for class. of Steel Ships	40179_B0
DNV DNV Germany GmbH	DNV-CG-0339,Aug.2021	TAA00001D1
PRS Polski Rejestr Statków	-	TE/1098/880590/23


Approvals for hazardous areas





Approval	Standard	Certificate Name
ATEX DEKRA EXAM GmbH	EN 60079-0	BVS_14_ATEX_E_091_X (II 3G Ex ec nC IIC T4 Gc; II 3G Ex ec IIC T4 Gc)
CCC CNEX	CNCA-C23-01	2020312304000757 (Ex ec nC IIC T4 Gc)
IECEx DEKRA EXAM GmbH	IEC 60079-0	IECEx_BVS_14.0079X_Is-sue_3 (Ex ec nC IIC T4 Gc; Ex ec IIC T4 Gc)
UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WA-GO22UKEX002X_ec nC
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726


Downloads

Environmental Product Compliance


Compliance Search
Environmental Product Compliance 857-358 

Documentation

Bid Text
857-358 19.02.2019 xml 4.71 KB 
857-358 20.02.2019 docx 16.57 KB 






























Instruction Leaflet
CCC Ex (Additional information) 26.04.2023 pdf 129.88 KB 

CAD/CAE-Data

CAD data
2D/3D Models 857-358 

CAE data
EPLAN Data Portal 857-358 
WSCAD Universe 857-358 
ZUKEN Portal 857-358 



1 Compatible Products				
1.1 Optional Accessories				
1.1.1 Basic relay				
1.1.1.1 Basic relay				
				
<p>Item No.: 857-155 Basic relay; Nominal input voltage: 60 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 5 mm; Module height: 15 mm</p>				
1.1.2 Ferrule				
1.1.2.1 Ferrule				
   				
<p>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</p>	<p>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</p>	<p>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</p>	<p>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</p>	
1.1.3 Jumper				
1.1.3.1 Jumper				
   				
<p>Item No.: 281-482 Jumper; 2-way; insulated; gray</p>	<p>Item No.: 859-410/000-006 Jumper; for jumper slot; 10-way; insulated; blue</p>	<p>Item No.: 859-410 Jumper; for jumper slot; 10-way; insulated; light gray</p>	<p>Item No.: 859-410/000-005 Jumper; for jumper slot; 10-way; insulated; red</p>	
   				
<p>Item No.: 859-410/000-029 Jumper; for jumper slot; 10-way; insulated; yellow</p>	<p>Item No.: 859-402/000-006 Jumper; for jumper slot; 2-way; insulated; blue</p>	<p>Item No.: 859-402 Jumper; for jumper slot; 2-way; insulated; light gray</p>	<p>Item No.: 859-402/000-005 Jumper; for jumper slot; 2-way; insulated; red</p>	
   				
<p>Item No.: 859-402/000-029 Jumper; for jumper slot; 2-way; insulated; yellow</p>	<p>Item No.: 859-403/000-006 Jumper; for jumper slot; 3-way; insulated; blue</p>	<p>Item No.: 859-403 Jumper; for jumper slot; 3-way; insulated; light gray</p>	<p>Item No.: 859-403/000-005 Jumper; for jumper slot; 3-way; insulated; red</p>	
   				
<p>Item No.: 859-403/000-029 Jumper; for jumper slot; 3-way; insulated; yellow</p>	<p>Item No.: 859-404/000-006 Jumper; for jumper slot; 4-way; insulated; blue</p>	<p>Item No.: 859-404 Jumper; for jumper slot; 4-way; insulated; light gray</p>	<p>Item No.: 859-404/000-005 Jumper; for jumper slot; 4-way; insulated; red</p>	
   				
<p>Item No.: 859-404/000-029 Jumper; for jumper slot; 4-way; insulated; yellow</p>	<p>Item No.: 859-405/000-006 Jumper; for jumper slot; 5-way; insulated; blue</p>	<p>Item No.: 859-405 Jumper; for jumper slot; 5-way; insulated; light gray</p>	<p>Item No.: 859-405/000-005 Jumper; for jumper slot; 5-way; insulated; red</p>	
   				
<p>Item No.: 859-405/000-029 Jumper; for jumper slot; 5-way; insulated; yellow</p>	<p>Item No.: 859-406/000-006 Jumper; for jumper slot; 6-way; insulated; blue</p>	<p>Item No.: 859-406 Jumper; for jumper slot; 6-way; insulated; light gray</p>	<p>Item No.: 859-406/000-005 Jumper; for jumper slot; 6-way; insulated; red</p>	



1.1.3.1 Jumper



Item No.: 859-406/000-029
Jumper; for jumper slot; 6-way; insulated; yellow



Item No.: 859-407/000-006
Jumper; for jumper slot; 7-way; insulated; blue



Item No.: 859-407
Jumper; for jumper slot; 7-way; insulated; light gray



Item No.: 859-407/000-005
Jumper; for jumper slot; 7-way; insulated; red



Item No.: 859-407/000-029
Jumper; for jumper slot; 7-way; insulated; yellow



Item No.: 859-408/000-006
Jumper; for jumper slot; 8-way; insulated; blue



Item No.: 859-408
Jumper; for jumper slot; 8-way; insulated; light gray



Item No.: 859-408/000-005
Jumper; for jumper slot; 8-way; insulated; red



Item No.: 859-408/000-029
Jumper; for jumper slot; 8-way; insulated; yellow



Item No.: 859-409/000-006
Jumper; for jumper slot; 9-way; insulated; blue



Item No.: 859-409
Jumper; for jumper slot; 9-way; insulated; light gray



Item No.: 859-409/000-005
Jumper; for jumper slot; 9-way; insulated; red



Item No.: 859-409/000-029
Jumper; for jumper slot; 9-way; insulated; yellow

1.1.4 Marking

1.1.4.1 Double marker carrier



Item No.: 209-128
Adaptor; gray

1.1.4.2 Group marker carrier



Item No.: 249-105
Group marker carrier; gray

1.1.4.3 Marker



Item No.: 209-183
Marker; 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.: 793-502
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-566
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-503
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-504
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-505
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-506
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; 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

1.1.4.4 Marking device



Item No.: 210-110

Fiber-tip pen

1.1.4.5 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.4.6 Protective marker cover



Item No.: 209-184

Protection cover; transparent

1.1.5 Tool

1.1.5.1 Operating tool

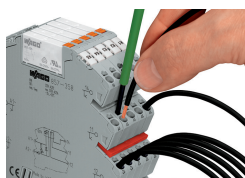


Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

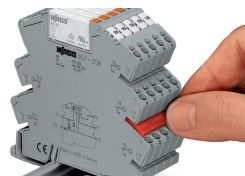
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking via WMB Multi Marking System.

Installation



Removing a relay via ejector.