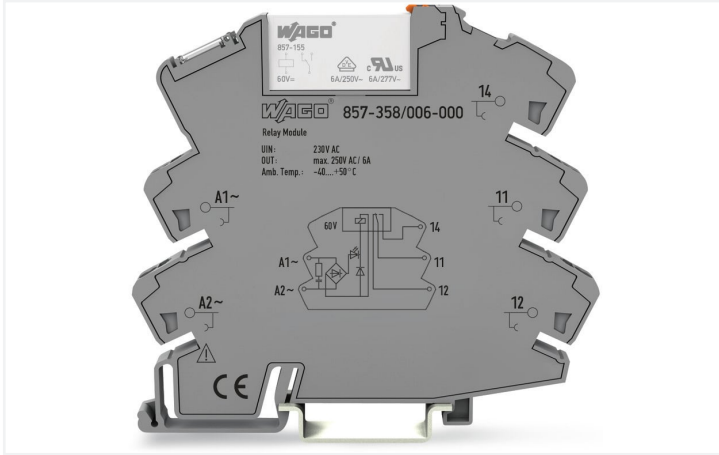


# Data Sheet | Item Number: 857-358/006-000

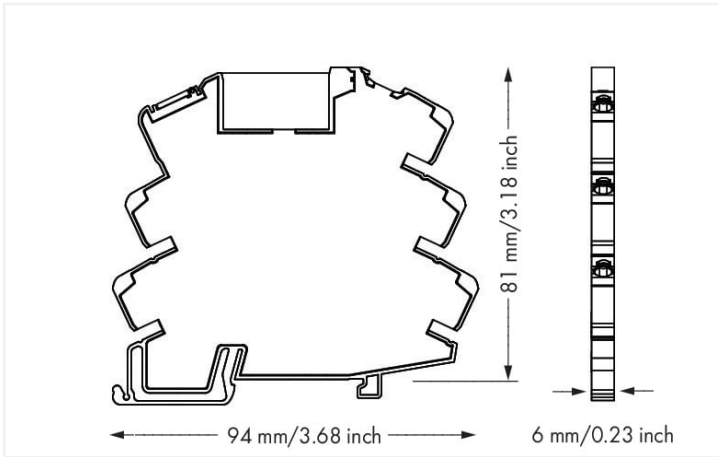
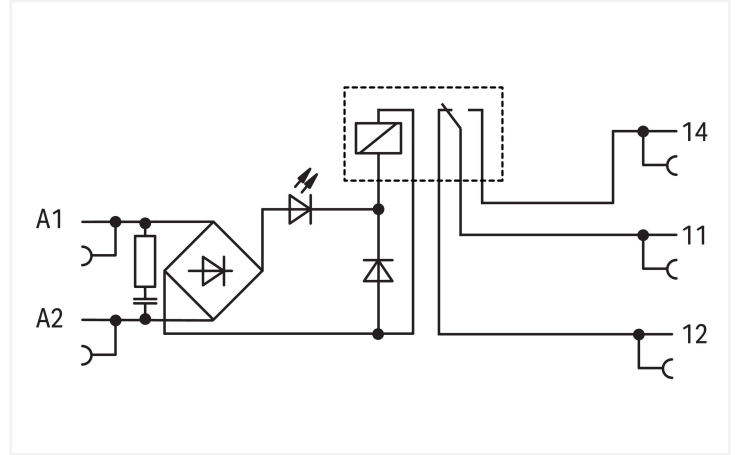
Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 6 A; with integrated base load module; Yellow status indicator; Module width: 6 mm; 2,50 mm<sup>2</sup>; gray



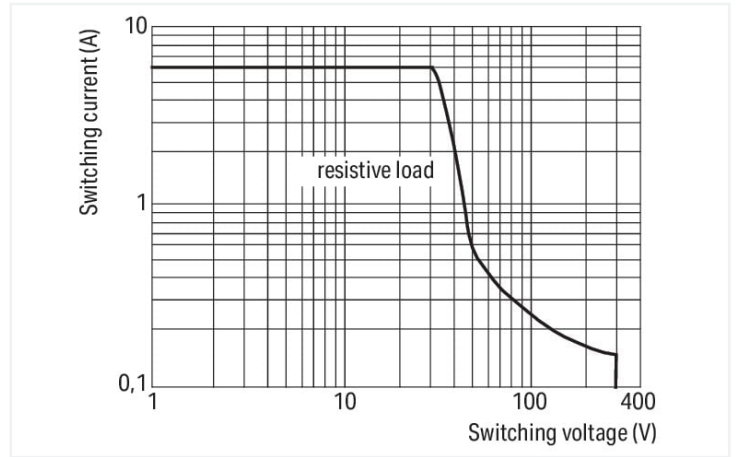
<https://www.wago.com/857-358/006-000>



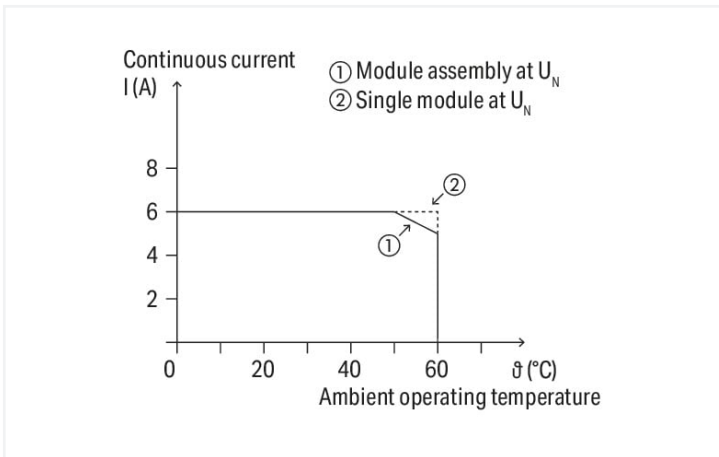
Color: ■ gray



Dimensions in mm



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

Nominal input voltage $U_N$	AC 230 V
Input voltage range	-15 ... +10 %
Nominal input current at $U_N$	16 mA
Line capacitance (max.)	170 nF
Cable length (control circuit)	$\leq 350$ m (for a line capacitance of 330 nF/km)
Nominal frequency range (input voltage)	50 ... 60 HzAC

## Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgSnO <sub>2</sub>
Limiting continuous current	6 A
Inrush current (resistive) max.	(AC) 20 A / 0.02 s
Switching Voltage, Max.	AC 250 V
Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)
Switching capacity	AC-15: 3 A / AC 250 V; DC-13: 2 A / DC 24 V
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 <sup>3</sup> switching operations
Mechanical life	5 x 10 <sup>6</sup> switching operations
Switching frequency with/without load (max.)	6 min <sup>-1</sup> / 180 min <sup>-1</sup>

## Signaling

Status indicator	Yellow LED
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## Safety and protection

Rated Voltage	300 V
Rated surge 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 mm <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.34 ... 1.5 mm <sup>2</sup> / 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)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Insulation material (main housing)	Polyamide (PA66)
Material group	I
Flammability class per UL94	V0
Fire load	0.544 MJ
Weight	33.2 g

### Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-40 ... +60 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T <sub>ambient</sub> + 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
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### Basic relay

WAGO Basic Relay	857-155
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Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 9.0	EC001437
ETIM 8.0	EC001437
PU (SPU)	25 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821873396
Customs tariff number	85364900990

Environmental Product Compliance	
CAS-No.	1303-86-2 7439-92-1 79-94-7
REACH Candidate List Substance	Diboron trioxide Lead 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I
SCIP notification number (Bulgaria)	86353757-e0e7-49eb-bbf8-7a82698371f5
SCIP notification number (Czech Republic)	9b0843ec-35c5-432b-816c-f307adc4e3bf

Approvals / Certificates											
General approvals		Declarations of conformity and manufacturer's declarations									
Approval	Standard	Certificate Name									
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078									
		<table border="1"> <thead> <tr> <th>Approval</th> <th>Standard</th> <th>Certificate Name</th> </tr> </thead> <tbody> <tr> <td>EU-Declaration of Confor- mity WAGO GmbH &amp; Co. KG</td> <td>-</td> <td>-</td> </tr> <tr> <td>UK-Declaration of Confor- mity WAGO GmbH &amp; Co. KG</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									
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Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 857-358/006-000	<a href="#">↓</a>

Documentation

Bid Text			
857-358/006-000	19.02.2019	xml 4.92 KB	
857-358/006-000	20.02.2019	docx 16.68 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 857-358/006-000	

CAE data	
ZUKEN Portal 857-358/006-000	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



**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

1.1.2 Ferrule

1.1.2.1 Ferrule



**Item No.: 216-241**  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item No.: 216-242**  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-243**  
 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-244**  
 Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

1.1.3 Jumper

1.1.3.1 Jumper



**Item No.: 281-482**  
 Jumper; 2-way; insulated; gray



**Item No.: 859-410/000-006**  
 Jumper; for jumper slot; 10-way; insulated; blue



**Item No.: 859-410**  
 Jumper; for jumper slot; 10-way; insulated; light gray



**Item No.: 859-410/000-005**  
 Jumper; for jumper slot; 10-way; insulated; red



**Item No.: 859-410/000-029**  
 Jumper; for jumper slot; 10-way; insulated; yellow



**Item No.: 859-402/000-006**  
 Jumper; for jumper slot; 2-way; insulated; blue
































**Item No.: 859-402**  
 Jumper; for jumper slot; 2-way; insulated; light gray




**Item No.: 859-402/000-005**  
 Jumper; for jumper slot; 2-way; insulated; red

1.1.3.1 Jumper


 <b>Item No.: 859-402/000-029</b> Jumper; for jumper slot; 2-way; insulated; yellow	 <b>Item No.: 859-403/000-006</b> Jumper; for jumper slot; 3-way; insulated; blue	 <b>Item No.: 859-403</b> Jumper; for jumper slot; 3-way; insulated; light gray	 <b>Item No.: 859-403/000-005</b> Jumper; for jumper slot; 3-way; insulated; red
 <b>Item No.: 859-403/000-029</b> Jumper; for jumper slot; 3-way; insulated; yellow	 <b>Item No.: 859-404/000-006</b> Jumper; for jumper slot; 4-way; insulated; blue	 <b>Item No.: 859-404</b> Jumper; for jumper slot; 4-way; insulated; light gray	 <b>Item No.: 859-404/000-005</b> Jumper; for jumper slot; 4-way; insulated; red
 <b>Item No.: 859-404/000-029</b> Jumper; for jumper slot; 4-way; insulated; yellow	 <b>Item No.: 859-405/000-006</b> Jumper; for jumper slot; 5-way; insulated; blue	 <b>Item No.: 859-405</b> Jumper; for jumper slot; 5-way; insulated; light gray	 <b>Item No.: 859-405/000-005</b> Jumper; for jumper slot; 5-way; insulated; red
 <b>Item No.: 859-405/000-029</b> Jumper; for jumper slot; 5-way; insulated; yellow	 <b>Item No.: 859-406/000-006</b> Jumper; for jumper slot; 6-way; insulated; blue	 <b>Item No.: 859-406</b> Jumper; for jumper slot; 6-way; insulated; light gray	 <b>Item No.: 859-406/000-005</b> Jumper; for jumper slot; 6-way; insulated; red
 <b>Item No.: 859-406/000-029</b> Jumper; for jumper slot; 6-way; insulated; signal yellow	 <b>Item No.: 859-407/000-006</b> Jumper; for jumper slot; 7-way; insulated; blue	 <b>Item No.: 859-407</b> Jumper; for jumper slot; 7-way; insulated; light gray	 <b>Item No.: 859-407/000-005</b> Jumper; for jumper slot; 7-way; insulated; red
 <b>Item No.: 859-407/000-029</b> Jumper; for jumper slot; 7-way; insulated; yellow	 <b>Item No.: 859-408/000-006</b> Jumper; for jumper slot; 8-way; insulated; blue	 <b>Item No.: 859-408</b> Jumper; for jumper slot; 8-way; insulated; light gray	 <b>Item No.: 859-408/000-005</b> Jumper; for jumper slot; 8-way; insulated; red
 <b>Item No.: 859-408/000-029</b> Jumper; for jumper slot; 8-way; insulated; yellow	 <b>Item No.: 859-409/000-006</b> Jumper; for jumper slot; 9-way; insulated; blue	 <b>Item No.: 859-409</b> Jumper; for jumper slot; 9-way; insulated; light gray	 <b>Item No.: 859-409/000-005</b> Jumper; for jumper slot; 9-way; insulated; red
 <b>Item No.: 859-409/000-029</b> Jumper; for jumper slot; 9-way; insulated; yellow			

1.1.4 Marking

1.1.4.1 Double marker carrier

 <b>Item No.: 209-128</b> Adaptor; gray
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1.1.4.2 Group marker carrier

 <b>Item No.: 249-105</b> Group marker carrier; gray
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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

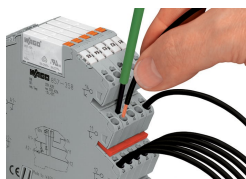
1.1.5.1 Operating tool



**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

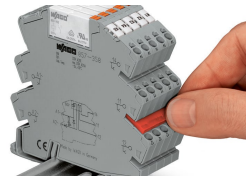
## Installation Notes

### Conductor termination



Conductor termination

### Commoning



Easy commoning using adjacent jumpers

### Marking



Marking via WMB Multi Marking System.

### Installation



Removing a relay via ejector.