

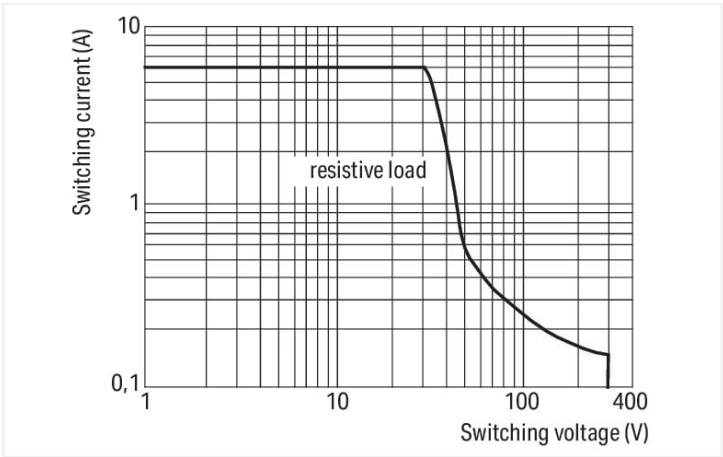
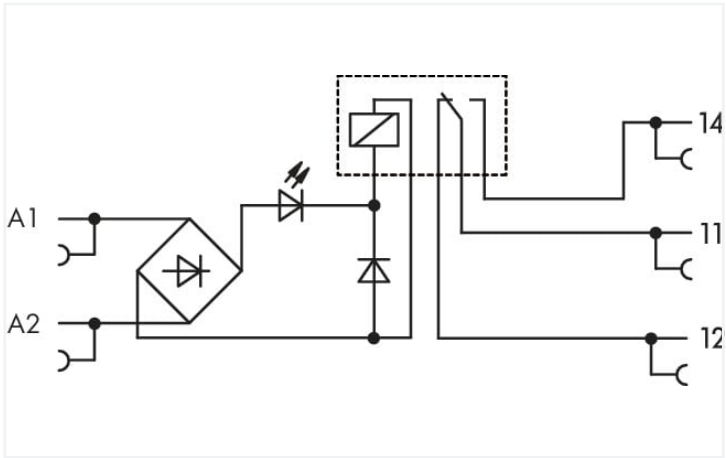
Data Sheet | Item Number: 857-358

Relay module; Nominal input voltage: 230 V AC/DC; 1 changeover contact; Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm; 2,50 mm²; gray

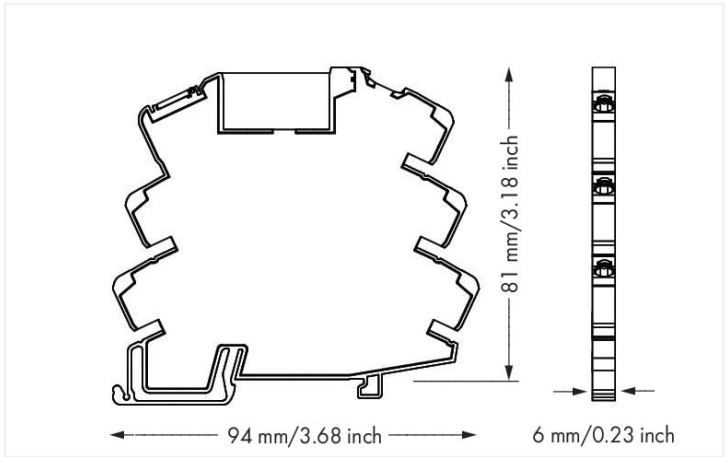
<https://www.wago.com/857-358>



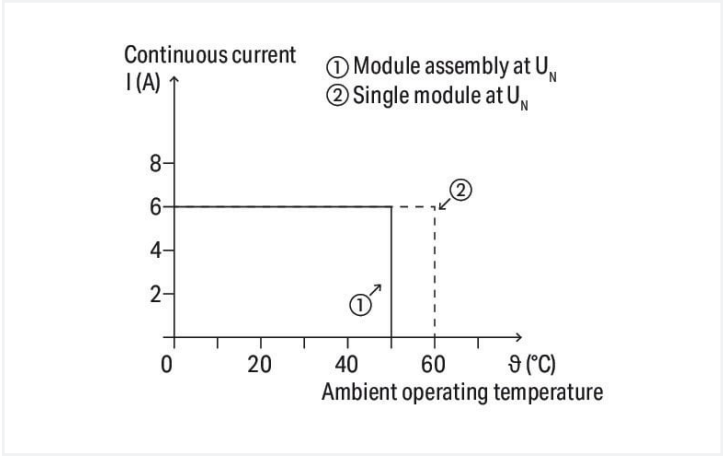
Color: ■ gray



DC load limit curve



Dimensions in mm



Current-carrying capacity curve



Notes	
Safety information	Adjacent devices are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. 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	AC/DC 230 V
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.)
	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 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 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 are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. 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	
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.648 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 IEC Ex DNV

Basic relay	
WAGO Basic Relay	857-155



Commercial data		
Product Group	6 (INTERFACE ELECTRONIC)	
eCl@ss 10.0	27-37-16-01	
eCl@ss 9.0	27-37-16-01	
ETIM 8.0	EC001437	
ETIM 7.0	EC001437	
PU (SPU)	25 (1) pcs	
Packaging type	Box	
Country of origin	CN	
GTIN	4045454471576	
Customs tariff number	85364900990	

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	6(c) 7(a) 7(c)-I 7(c)-II	
SCIP notification number (Austria)	f818d2f9-e068-4960-84e7-051e0bc6770a	
SCIP notification number (Belgium)	bfbcf772b-b4b8-45f5-9d58-8f4ae3f16f3a	
SCIP notification number (Bulgaria)	5ba8d05c-eb61-45b3-9c92-3968d6dfc9e9	
SCIP notification number (Czech Republic)	c7d5a1dd-d979-41b8-a037-6f5ec8c511d1	
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SCIP notification number (Finland)	bc4cda41-2ca1-4ab7-a0bb-8bc24d0bd1e	
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	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 012/2011	EAC Ex 857 RU_C_DE. AZ_58_B_02148_21 nA nC (2Ex nA nC IIC T4 Gc X)
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 508	E175199 Sec.4
		Approval Standard Certificate Name
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG - -
		UK-Declaration of Confor- mity 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/2186/880590/18

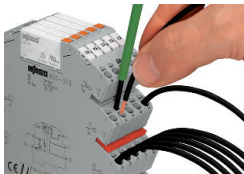
Approvals for hazardous areas



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_Issue_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

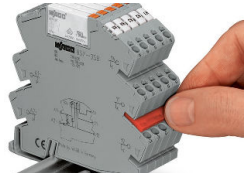
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking via WMB Multi Marking System.

Installation



Removing a relay via ejector.