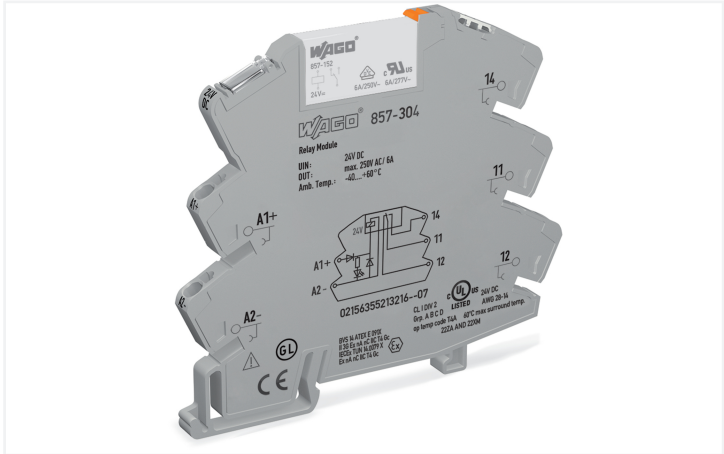
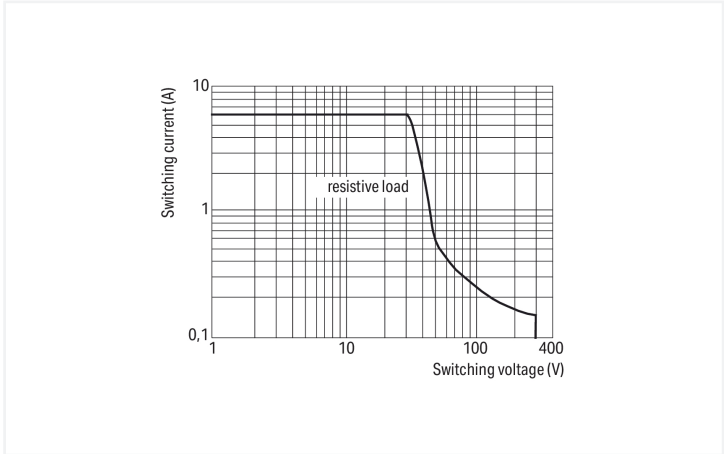
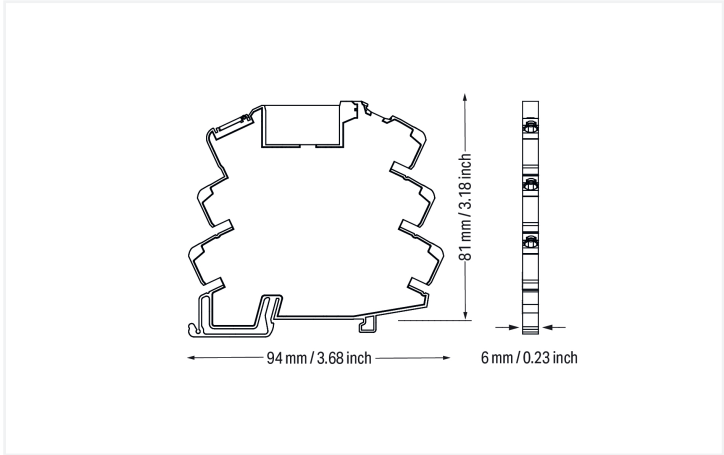
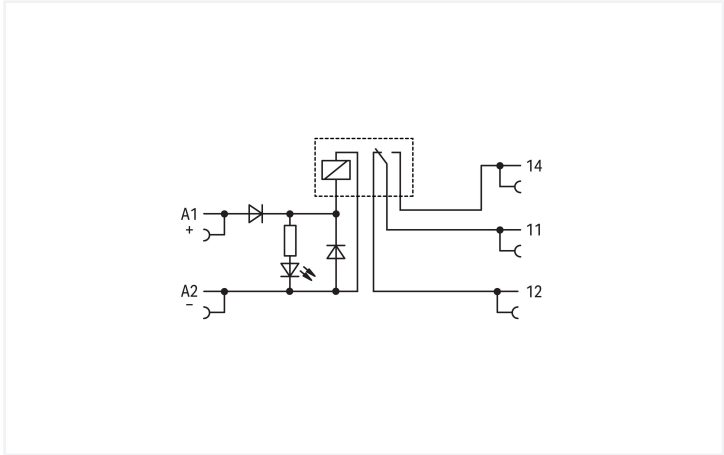




Color: ■ gray



DC load limit 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	24 VDC
Input voltage range	-15 ... +20 %
Nominal input current at U_N	10 mA
Load circuit	
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)
Utilization category	AC-15: 3 A / 250 VAC DC-13: 2 A / 24 VDC
Recommended minimum load	10 V / 10 mA; 24 V / 1 mA



Load circuit	
Pull-in time (typ.)	6 ms
Drop-out time (typ.)	6 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 mm ² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.34 ... 1.5 mm ² / 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	0.437 MJ
Weight	31.6 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	857-152

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	25 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821797807
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 10.0	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, No Exemption
SCIP notification number (Austria)	890bbd29-8a39-46b4-aa2b-b445d7383193
SCIP notification number (Belgium)	cd09fda5-b324-4734-995a-ff29c0c9eda6
SCIP notification number (Bulgaria)	04a750e3-84ea-4ba5-9ab2-55266b4db0b2
SCIP notification number (Czech Republic)	6dc67810-1040-4e3a-8eea-02782e900886
SCIP notification number (Denmark)	77efef82-3203-4bde-a1bd-42f7117d1652
SCIP notification number (Finland)	7c985561-ce96-4278-8f64-22962c26fcea
SCIP notification number (France)	6f74c20f-88ae-49b6-b0b5-f967866300f0
SCIP notification number (Germany)	c16952ac-475c-4c3c-a38b-72d416451f94
SCIP notification number (Hungary)	b36536ad-167a-4b9e-88f3-28cb23c555a6
SCIP notification number (Italy)	9f92e62d-bd04-48c9-8dc1-d98000af3646
SCIP notification number (Netherlands)	92b96baf-e008-48e0-b506-aea3cd047c43
SCIP notification number (Poland)	d641b813-4032-4bec-8ce1-00daa7dd4104
SCIP notification number (Romania)	accd36a7-2fff-41da-bcac-fd6f86b4a8e2



Environmental Product Compliance	
SCIP notification number (Sweden)	2a874ee1-c3dd-4c7c-b371-75ad3afd11c6

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 857-304	

Documentation				
Bid Text			Instruction Leaflet	
857-304	19.02.2019	xml 4.70 KB	CCC Ex (Additional information)	
857-304	20.02.2019	docx 16.43 KB	Elektromechanical and Solid-State Relays/Optocouplers	
ausschreiben.de 857-304				

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 857-304	EPLAN Data Portal 857-304
	WSCAD Universe 857-304
	ZUKEN Portal 857-304