

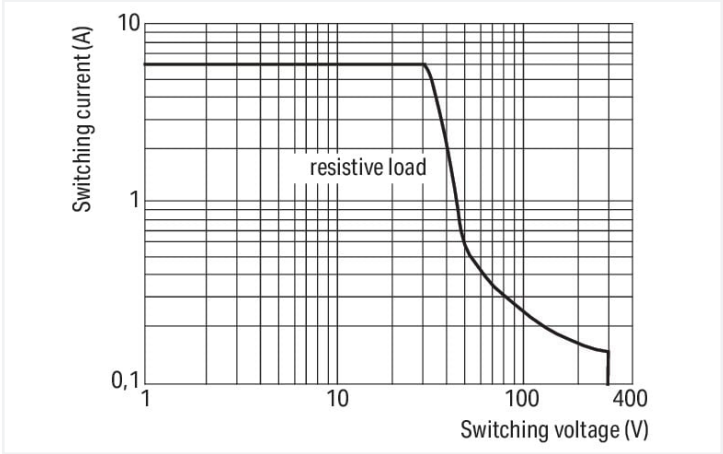
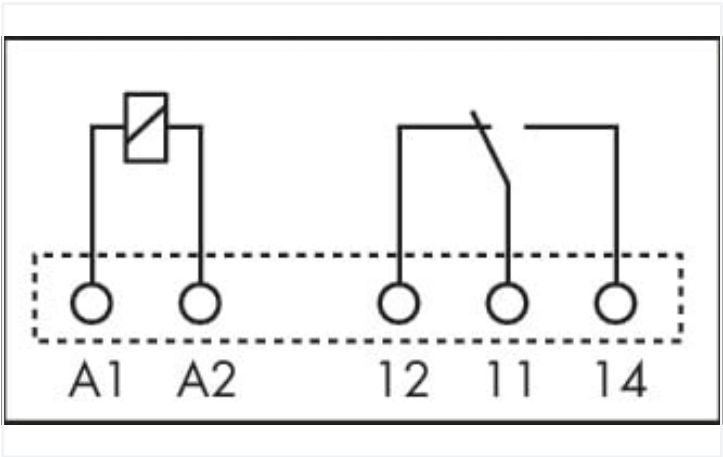
Data Sheet | Item Number: 857-154

Basic relay; Nominal input voltage: 48 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 5 mm; Module height: 15 mm

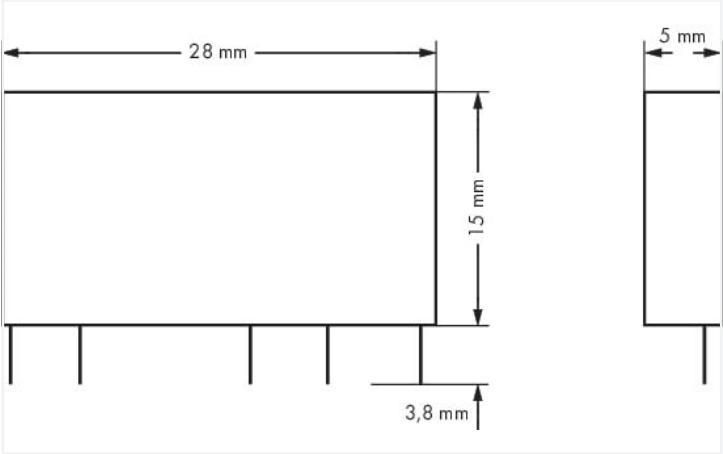
<https://www.wago.com/857-154>



Similar to illustration



DC load limit curve



Dimensions in mm

Notes	
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	DC 48 V	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.)	8 ms
		Drop-out time (typ.)	4 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



Load circuit

Switching frequency with/without load (max.)	6 min ⁻¹ / 180 min ⁻¹
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Safety and protection

Dielectric strength (control/load circuit) (AC, 1 min)	4 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Protection type	IP20

Physical data

Width	5 mm / 0.197 inches
Height from the surface	15 mm / 0.591 inches
Depth	28 mm / 1.09 inches

Mechanical data

Mounting type	Pluggable module
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Material data

Fire load	0 MJ
Weight	4.7 g

Environmental requirements

Ambient temperature (operation at U _N)	-40 ... +85 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	5 ... 85 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications

Standards/specifications	EN 61810-1 EN 61373 VDE UR
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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 8.0	EC001437
ETIM 7.0	EC001437
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821077725
Customs tariff number	85364900990



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 508	E340707

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-154

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Documentation			
Bid Text			
857-154	29.11.2018	doc 26.50 KB	↓
857-154	19.02.2019	xml 4.24 KB	↓

CAD/CAE-Data	
CAD data 2D/3D Models 857-154 ↓	CAE data EPLAN Data Portal 857-154 ↓ WSCAD Universe 857-154 ↓ ZUKEN Portal 857-154 ↓

Installation Notes

Installation



Removing a relay via ejector.