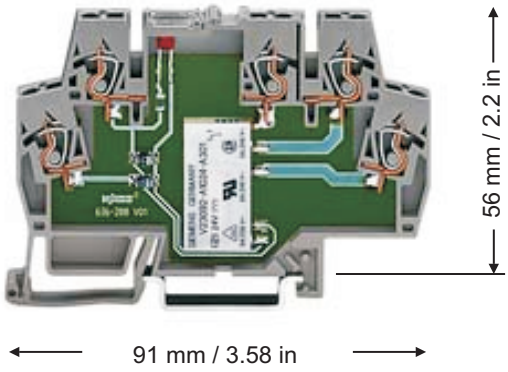
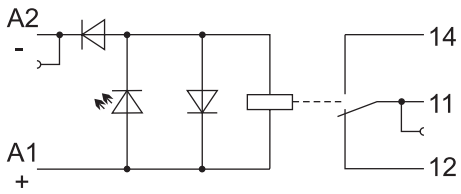
Electronic Terminal Block with Miniature Switching Relay

1 changeover contact

Data sheet

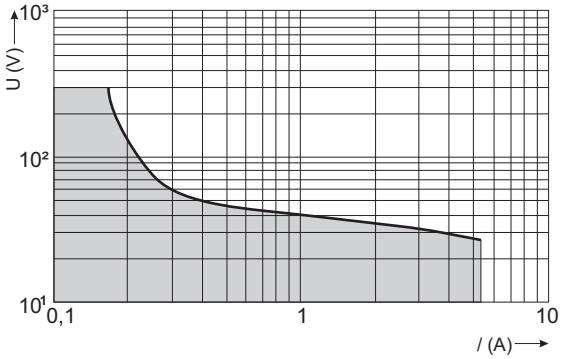




Description	Item-No.	Pack.-unit pcs
Switching relay terminal block	859-302	1

- Switching relay terminal block with miniature switching relay 1 changeover contact for medium switching powers.
- Safe electrical isolation meets DIN VDE 0140, DIN EN 61140.
- Mounting on DIN 35 rail.

DC-Load limiting value graph



Note: Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts !

Technical Data

Contact material	$AgSnO_2$
Input nominal voltage U_N	DC 5 V
Input voltage range	U_N -20 %...+40 %
Input nominal current I_N	
(coil 20 °C)	31 mA
Max. switching voltage	AC 250 V
Max. continuous current	
(terminal blocks in a row)	5 A
Max. switching power	
(resistive)	AC 1250 VA
(resistive)	DC see load limiting value graph
Making capacity	10 A bei max. 4 s
	and 10 % relative cyclic duration factor
Recommended min. load	≥ 100 mA / AC/DC 12 V
Max. number of switching	
operations with/without load	6 min^{-1} / 20 s^{-1}
Operating power	< 320 mW
Pull-in/dropout/bounce time $_{typ}$	5 ms / 6 ms / 5 ms
Operation at normal rating	100 % continuous duty
Dielectric strength	
contact/coil	4 kV
Surge voltage strength	
contact/coil (1.2/50 µs)	6 kV
Open contact	1 kV
Nominal voltage acc. to	
VDE 0110 Part1/ 4.97	
IEC 60664-1	250 V / 4 kV / 3
Mechanical life	2 x 10^7 switching operations
at max. load (resistive)	3 x 10^5 switching operations
Ambient operating temperature	
at U_N	-25 °C...+50 °C
at 1.2 x U_N	-25 °C...+40 °C
Storage temperature	-40 °C...+70 °C

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Subject to design changes
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Terminal block width	6 mm / 0.236 in		
Wire connection	CAGE CLAMP®		
	0.08-2.5 mm² / AWG 28-14		
Stripped length	5-6 mm / 0.22 in		
Standards / prescriptions	VDE 0435 Part 201, DIN EN 61810-1		
	VDE 0140, DIN EN 61140		
Approvals	cULus		
	UL508 / CSA22.2		
	E175199		
	CB scheme		
	IEC 60947-1 / IEC 60947-5-1		
	DEMKO DK-7574		
	AC15	3 A	AC 250 V
	DC13	0.5 A	DC 24 V
Accessories			
End and intermediate plate	859-525		
Comb type jumper bar 2-way	859-402		
3-way	859-403		
4-way	859-404		
5-way	859-405		
10-way	859-410		
Test pin 1 mm Ø	859-500		

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