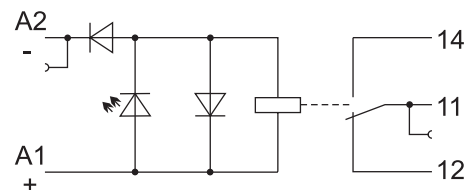
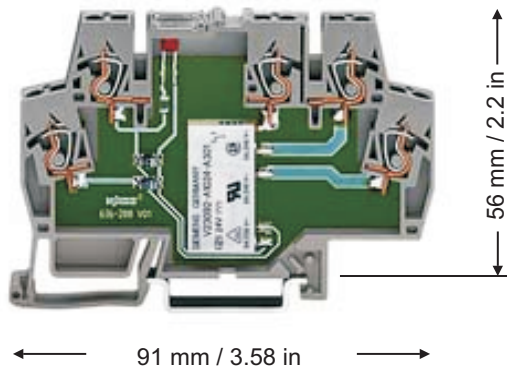


Electronic Terminal Block with Miniature Switching Relay

1/2

1 changeover contact

Data sheet



Description	Item-No.	Pack.-unit pcs																																												
Switching relay terminal block	859-302	1																																												
<ul style="list-style-type: none"> 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. 	Technical Data																																													
<p>DC-Load limiting value graph</p>	<table border="1"> <tr><td>Contact material</td><td>AgSnO₂</td></tr> <tr><td>Input nominal voltage U_N</td><td>DC 5 V</td></tr> <tr><td>Input voltage range</td><td>U_N -20 %...+40 %</td></tr> <tr><td>Input nominal current I_N (coil 20 °C)</td><td>31 mA</td></tr> <tr><td>Max. switching voltage</td><td>AC 250 V</td></tr> <tr><td>Max. continuous current (terminal blocks in a row)</td><td>5 A</td></tr> <tr><td>Max. switching power (resistive)</td><td>AC 1250 VA</td></tr> <tr><td>(resistive)</td><td>DC see load limiting value graph</td></tr> <tr><td>Making capacity</td><td>10 A bei max. 4 s and 10 % relative cyclic duration factor ≥ 100 mA / AC/DC 12 V</td></tr> <tr><td>Recommended min. load</td><td>≥ 100 mA / AC/DC 12 V</td></tr> <tr><td>Max. number of switching operations with/without load</td><td>6 min⁻¹ / 20 s⁻¹</td></tr> <tr><td>Operating power</td><td>< 320 mW</td></tr> <tr><td>Pull-in/dropout/bounce time t_{VP}</td><td>5 ms / 6 ms / 5 ms</td></tr> <tr><td>Operation at normal rating</td><td>100 % continuous duty</td></tr> <tr><td>Dielectric strength contact/coil</td><td>4 kV</td></tr> <tr><td>Surge voltage strength contact/coil (1.2/50 μs)</td><td>6 kV</td></tr> <tr><td>Open contact</td><td>1 kV</td></tr> <tr><td>Nominal voltage acc. to VDE 0110 Part1/ 4.97 IEC 60664-1</td><td>250 V / 4 kV / 3</td></tr> <tr><td>Mechanical life at max. load (resistive)</td><td>2 x 10⁷ switching operations / 3 x 10⁵ switching operations</td></tr> <tr><td>Ambient operating temperature at U_N</td><td>-25 °C...+50 °C</td></tr> <tr><td>at 1.2 x U_N</td><td>-25 °C...+40 °C</td></tr> <tr><td>Storage temperature</td><td>-40 °C...+70 °C</td></tr> </table>		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 ≥ 100 mA / AC/DC 12 V	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 t _{VP}	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 at max. load (resistive)	2 x 10 ⁷ switching operations / 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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<p>Note: Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts !</p>																																														

Electronic Terminal Block with Miniature Switching Relay

2/2

1 changeover contact

Data sheet

	Terminal block width	6 mm / 0.236 in		
	Wire connection	CAGE CLAMP®		
		0.08-2.5 mm ² / 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	cUL _{US}		
		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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[1423698-4](#) [6-1608051-6](#) [6-1608067-0](#) [6-1616170-6](#) [6-1616248-2](#) [6-1616282-3](#) [6-1616348-2](#) [6-1616350-1](#) [6-1616350-8](#) [6-1616358-7](#) [6-](#)
[1616359-9](#) [6-1616360-9](#) [6-1616931-6](#) [6-1617039-1](#) [6-1617052-1](#) [6-1617090-2](#) [6-1617090-5](#) [6-1617347-5](#) [6-1617353-3](#) [6-1617801-8](#) [6-](#)
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[7-1393144-5](#) [7-1393767-8](#)