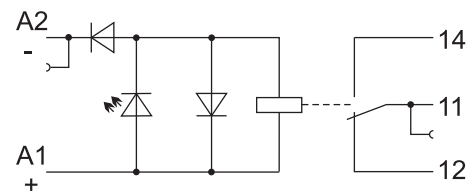
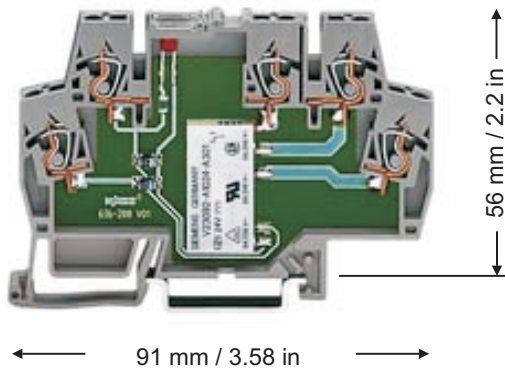


Electronic Terminal Block with Miniature Switching Relay

1/2

1 changeover contact

Data sheet


Description	Item-No.	Pack.-unit pcs																																																		
Switching relay terminal block	859-314	1																																																		
- Switching relay terminal block with miniature switching relay 1 changeover contact for small switching powers. - Contacts 5µm Au hard gold plated. - Safe electrical isolation meets DIN VDE 0140, DIN EN 61140. - Mounting on DIN 35 rail.	<table><tr><th colspan="2">Technical Data</th></tr><tr><td>Contact material</td><td>AgSnO₂ + 5 µm Au</td></tr><tr><td>Input nominal voltage U_N</td><td>DC 24 V</td></tr><tr><td>Input voltage range</td><td>U_N -15 %...+20 %</td></tr><tr><td>Current input at U_N (coil 20 °C)</td><td>10 mA</td></tr><tr><td>Max. switching voltage</td><td>DC 36 V *</td></tr><tr><td>Max. continuous current (terminal blocks in a row)</td><td>50 mA *</td></tr><tr><td>Recommended min. load</td><td>10 µA / 100 mV</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_{typ}</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</td><td></td></tr><tr><td>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</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><tr><td>Terminal block width</td><td>6 mm / 0.236 in</td></tr><tr><td>Wire connection</td><td>CAGE CLAMP®</td></tr><tr><td></td><td>0.08-2.5 mm² / AWG 28-14</td></tr><tr><td>Stripped length</td><td>5-6 mm / 0.22 in</td></tr></table>		Technical Data		Contact material	AgSnO ₂ + 5 µm Au	Input nominal voltage U _N	DC 24 V	Input voltage range	U _N -15 %...+20 %	Current input at U _N (coil 20 °C)	10 mA	Max. switching voltage	DC 36 V *	Max. continuous current (terminal blocks in a row)	50 mA *	Recommended min. load	10 µA / 100 mV	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 at max. load (resistive)	2 x 10 ⁷ 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	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
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* To avoid damage to the gold plating ensure that these values are not exceeded. At higher switching power (up to 6 A / 250 V) the gold plating may vaporise. Precipitation in the housing may lead to coil contact flashover.																																																				

Electronic Terminal Block with Miniature Switching Relay

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1 changeover contact

Data sheet

	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		