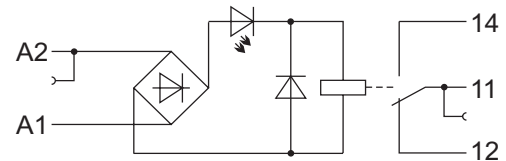
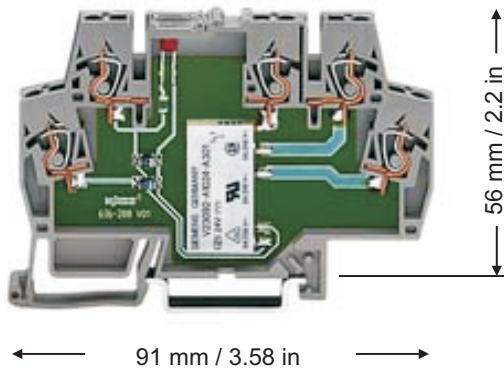
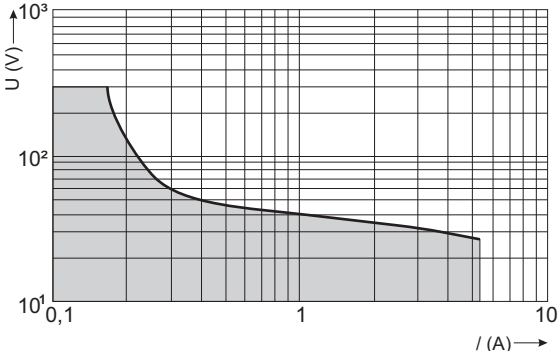


Electronic Terminal Block with Miniature Switching Relay

1/2

1 changeover contact

Data sheet


Description	Item-No.	Pack.-unit pcs																																																								
Switching relay terminal block	859-353	1																																																								
- Switching relay terminal block with miniature switching relay 1 changeover contact for medium switching powers. - Safe electrical isolation meets DIN VDE 0140 and 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 <table><tr><td>Contact material</td><td>AgSnO₂</td></tr><tr><td>Input nominal voltage U_N</td><td>AC/DC 12 V</td></tr><tr><td>Input voltage range</td><td>U_N -15 %...+20 %</td></tr><tr><td>Input nominal current I_N</td><td></td></tr><tr><td>(coil 20 °C)</td><td>15 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 at max. 4 s and 10 % relative cyclic duration factor</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>< 300 mW</td></tr><tr><td>Pull-in/dropout/bounce time t_{yp}</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</td><td>5 x 10⁶ switching operations</td></tr><tr><td>at max. load (resistive)</td><td>3 x 10⁴ switching operations</td></tr><tr><td>Ambient operating temperature</td><td></td></tr><tr><td>at 0.85 x U_N</td><td>-25 °C...+40 °C</td></tr><tr><td>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></table>			Contact material	AgSnO ₂	Input nominal voltage U _N	AC/DC 12 V	Input voltage range	U _N -15 %...+20 %	Input nominal current I _N		(coil 20 °C)	15 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 at 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	< 300 mW	Pull-in/dropout/bounce time t _{yp}	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	5 x 10 ⁶ switching operations	at max. load (resistive)	3 x 10 ⁴ switching operations	Ambient operating temperature		at 0.85 x U _N	-25 °C...+40 °C	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
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Electronic Terminal Block with Miniature Switching Relay

2/2

1 changeover contact

Data sheet

	Wire connection	CAGE CLAMP®
		0.08-2.5 mm ² / AWG 28-14
	Stripped length	5-6 mm / 0.22 in
	Standards / prescriptions	DIN VDE 0160, DIN EN 50178
		DIN VDE 0435 (corresponding parts)
		DIN EN 61810
		DIN VDE 0140, DIN EN 61140
	Approvals	E175199, UL508 at max. continuous current 3 A
	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