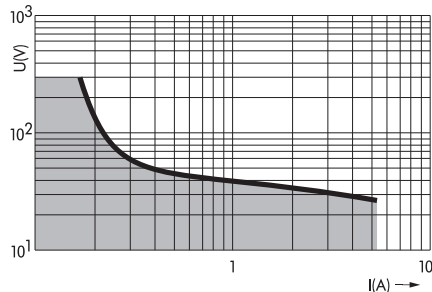


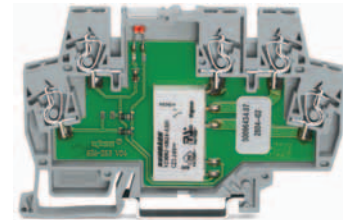
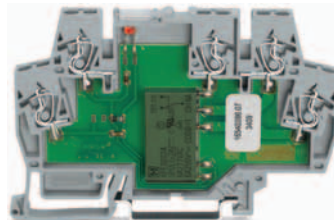
# Rail-Mounted Terminal Blocks with Miniature Switching Relay



	<b>Relay with 1 changeover contact (1 u)</b> Extended input voltage range: $V_N -30\% \dots +25\%$ ; Operating temperature range: $-25\text{ °C} \dots +70\text{ °C}$ for normal switching power Railway applications Nominal input voltage $V_N$ 24 V DC	<b>Relay with 1 changeover contact (1 u)</b> Gold-plated contacts Extended input voltage range: $V_N -30\% \dots +25\%$ ; Operating temperature range: $-25\text{ °C} \dots +70\text{ °C}$ for normal switching power Railway applications Nominal input voltage $V_N$ 24 V ... 110 V DC
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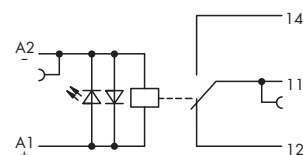
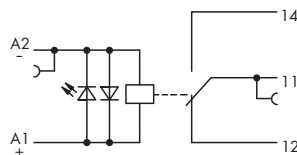


DC load limit curve



\* In order to prevent the gold layer from being damaged, 30 VDC switching voltages and 50 mA currents shall not be exceeded.

Higher switching power leads to evaporation of the gold layer. The resulting deposits in the housing may reduce the service life.



Description	$V_N$	$I_N$	Item No.	Pack. Unit	$V_N$	$I_N$	Item No.	Pack. Unit
Rail-mounted terminal block with miniature switching relay, for DIN 35 rail	24 V DC	12 mA	859-390		24 VDC	10 mA	859-392	1
					36 VDC	10.1 mA	859-386	
					48 VDC	7.9 mA	859-384	
					110 VDC	3.1 mA	859-317	

Technical Data	Accessories see page 72				Accessories see page 72			
<b>Coil:</b>								
Input voltage range	$V_N -30\% \dots +25\%$				$V_N -30\% \dots +25\%$			
<b>Contacts:</b>								
Contact material	AgNi				AgNi + Au			
Max. continuous current	3 A				3 A *			
Max. switching voltage	250 V AC				250 VAC *			
Max. switching power (resistive)	750 VA AC ; DC see load limit curve				750 VA AC; DC see load limit curve *			
Recommended minimum load	10 VDC / 10 mA, 24 VDC / 1 mA				1 VDC / 1 mA / 1 mW			
Pull-in/drop-out/bounce time typ.	5ms / 6ms / 5 ms				5ms / 6ms / 5 ms			
Mechanical life	$5 \times 10^6$ switching operations				$5 \times 10^6$ switching operations			
<b>General specifications:</b>								
Nominal voltage to EN 60664-1	250 V / 4 kV / 2				250 V / 4 kV / 2			
Dielectric strength, contact-coil (AC, 1 min)	4 kV <sub>rms</sub>				4 kV <sub>rms</sub>			
Dielectric strength open contact (AC, 1 min)	1 kV <sub>rms</sub>				1 kV <sub>rms</sub>			
Dielectric strength contact-contact (AC, 1 min)	-				-			
Ambient operating temperature at $V_N$	$-25\text{ °C} \dots +70\text{ °C}$				$-25\text{ °C} \dots +70\text{ °C}$			
Storage temperature	$-40\text{ °C} \dots +70\text{ °C}$				$-40\text{ °C} \dots +70\text{ °C}$			
Dimensions (mm) W x H x L	6 x 56 x 91				6 x 56 x 91			
Wire connection	Height from upper-edge of DIN 35 rail CAGE CLAMP®				Height from upper-edge of DIN 35 rail CAGE CLAMP®			
Cross sections	0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 14				0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 14			
Strip length	5 ... 6 mm / 0.2 ... 0.24 in				5 ... 6 mm / 0.2 ... 0.24 in			
Standards/specifications	EN 60664-1; EN 61810-5; UL 508; EEx nC II T4; ☉				EN 60664-1; EN 61810-5 859-392: EN 60664-1; EN 61810-5; UL 508; ☉ 859-317: EN 60664-1; EN 61810-5; UL 508; EEx nC II T4; ☉			