



# High Voltage Relay

## RL 20

The RL 20 High Voltage Relay is the further development of our proven High Voltage Relays with positively driven contacts for two changeover switches and contact protection. Due to the new mode of operation, the Contact Resistances have been greatly reduced. In addition, there are now screw connections and an auxiliary contact that functions as a normally closed contact.

		High Voltage Relay RL20
<b>Contacts (positively driven)</b>	Main Circuit Auxiliary Circuit	double pole double throw NC contact
<b>Exciter Coil</b>	Coil Voltage	24 VDC
<b>Status Display</b>		LED
<b>Connections</b>	Switching Circuits Exciter Coil	Screw connection
<b>Switching Voltage</b>	Main Circuit Auxiliary Circuit	max. 6000 VAC max. 400 VAC
<b>Switching Current AC</b>	Main Circuit Auxiliary Circuit	max. 10 AAC max. 2 A
<b>Switching Current DC</b>	Main Circuit Auxiliary Circuit	max. 10 ADC max. 2 A max. 40 mADC @ 1000 V max. 15 mADC @ 3000 V max. 8 mADC @ 6000 V
<b>Continuous Current</b>	Main Circuit Auxiliary Circuit	max. 32 AAC / DC max. 2 A
<b>Inrush Current</b>	$I_e$	400 mA
<b>Holding Current</b>	$I_h$	110 mA
<b>Contact Resistance</b>		< 10 mΩ
<b>Switching Frequency</b>		max. 3 / s
<b>B10d Value</b>	$I \leq 10\% I_{max}$	$> 2 \times 10^6$
<b>Carrier Material</b>		PA6 V0, PC V0
<b>Contact Material</b>		AG/SNO2
<b>Protection Class</b>		IP 20
<b>Fastening</b>	Snap-on Mounting Screw Mounting	on top-hat rail (35 mm   1.37 in) according to DIN EN 60715 4 x Ø 4.5 mm (35 mm x 75 mm) 4 x Ø 0.17 in (1.37 in x 2.95 in)
<b>Temperature</b>	Storage / Operating Temperature	0 °C - 40 °C / 5 °C - 55 °C 32 °F - 104 °F / 32 °F - 131 °F
<b>Dimensions and Weight (approx.)</b>	Height Width Depth Weight	100 mm   3.9 in 56 mm   2.2 in 85 mm   3.3 in 480 g / 1.06 lbs