

# DATASHEET

## High Voltage Relay **RL 20**



Relay RL 20, up to 6,000 V AC, double pole double throw      Snap-on mounting on top-hat rail

<b>Description</b>	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.	
<b>Contacts (positively driven)</b>	Main circuit	double pole double throw
	Auxiliary circuit	NC contact
<b>Exciter coil</b>	Coil voltage	24 V DC
<b>Status display</b>		LED
<b>Connections</b>	Switching circuits	Screw connection
	Exciter coil	Screw connection
<b>Switching voltage max.</b>	Main circuit	6,000 V AC
	Auxiliary circuit	400 V AC
<b>Switching current</b>	Main circuit	max. 10 A AC
	Auxiliary circuit	max. 2 A
<b>Continuous current</b>	Main circuit	max. 30 A AC / DC
	Auxiliary circuit	max. 2 A
<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>Protection class</b>		IP 20
<b>General data</b>	Dimensions (HxBxT) / Weight	100 x 56 x 85 mm (3.9 x 2.2 x 3.3 in.) / approx. 430 g (0.95 lbs.)
	Storage / operating temperature	0 up to +40 °C / +5 up to +55 °C
<b>Fastening</b>	Snap-on mounting	on top-hat rail (35 mm) according to DIN EN 60715
	Screw mounting	4 x Ø 4.5 mm (35 x 75 mm)

High Voltage Relay RL 20 | EN | 10.2024      Subject to change and error.