

DATA SHEET

Relays RL 42-h / RL 38-h



High voltage relay RL 38-h, up to 10,000 V, Double pole single throw



High voltage relay RL 42-h, up to 10,000 V, Double pole double throw

Description		Electro mechanical relays for practical and robust application in system and switch cabinet manufacture. Monostable DC relay with proven technology and almost unlimited life.	
		RL 38-h	RL 42-h
Contacts		double pole single throw	double pole double throw
Field coil	Coil voltage	24 V DC (10 – 40 °C)	
	Coil current	0,25 A (20 °C)	
Coil resistance		115 Ω (20 °C)	
Connections		Free cable ends, 2 m (6.6 ft.) long	
Switching voltage / capacity		For applications up to 10,000 V AC / max. 10,000 VA (ohmic load)	
Test voltage	Contact / field coil	25,000 V DC	
	Contact / contact	25,000 V DC	
	Isolating voltage	10,000 V AC	
Switching current		max. 10 A AC	
Continuous current		max. 30 A AC / DC	
Transition resistance		< 30 mΩ	
Switching frequency		max. 3 / s	
Mechanical switching cycles		> 1 x 10 ⁶	
Vibration resistance	10 – 55 Hz/g	5	
Shock strength	g – 11ms	5	
Carrier material		PBT GF30	
Protection system		IP 20	
General data	Dimensions (HxWxD) and weight:	125 x 120 x 120 mm / approx. 2,000 g 4.9 x 4.7 x 4.7 in. / approx. 4.4 lbs.	
	Storage / Operation temp.	-25 up to +40 °C / +10 up to +40 °C	
Fastening		4-hole-mounting panel	

