

General Data	RZ7-FS Relays ①	RZ7-FE Relays ①
Insulation Characteristics	2 kVAC/50 Hz test voltage according to VDE 0435 and 4 kV 1.2/50 μs surge voltage according to IEC 60947-1 between all inputs and outputs	
EMC/Interference Immunity	Performance of following requirements: Surge capacity of the supply voltage according to IEC 61000-4-5: 2 kV Burst according to IEC 1000-4-4: 6 kV 6/50 ns ESD discharge according to IEC 61000-4-2: Contact 6 kV, air 8 kV	The following requirements are fulfilled: Surge capacity of the supply voltage according to IEC 61000-4-5: Level 4 Burst according to IEC 61000-4-4: Level 3 ESD discharge according to IEC 61000-4-2: Level 3
EMC/Emission	Electromagnetic fields according to EN 55 022: class B	
Safe Isolation	According to VDE 106, part 101	
Relative Humidity	25... 85%	
Vibration Resistance, operating	1 G	
Vibration Resistance, nonoperating	4 G	
Shock Resistance, operating	7 G	
Shock Resistance, nonoperating	50 G	
Weight	100g	60g
Ambient Temperature, operating	-25...+60 °C	
Ambient Temperature, nonoperating	-40...+85 °C	
Control Terminals	Tightening torque (0.6...0.8 Nm) 1 x 0.5...4.0 mm ² or 2 X0.5...2.5 mm ² (solid) 1 x 18...14 AWG or 2 x 18...16 AWG (stranded) Finger protection according to EN 50274	Tightening torque (0.5...0.8 Nm) 1 x 0.5...4.0 mm ² or 2 X0.5...2.5 mm ² (solid) 1 x 18...14 AWG or 2 x 18...16 AWG (stranded) Finger protection according to EN 50274
Panel Mounting	Front mounting; For snap-on mounting on 35 mm DIN Rail or screw fixing by panel mounting adapter and 2 screws (M4 type)	
Certifications	cULus Listed (File No. E14840, Guide NKCR/NKCR7), CE Marked, UKCA, C-tick	
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 UL 508 CAN/CSA C22.2 No.14	IEC/EN 63000 IEC 61812-1 UL 508 CAN/CSA C22.2 No.14

① Time Characteristics (according to VDE 0435, Part 2021)