

Product No: 103014757

SCHMERSAL SRB-E-402FWS-TSPROTECT MULTI SAFETY RELAYCAT 4 SIL3 PLE 103014757



General Information

Brand	SCHMERSAL
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Technical Attributes

No. of Auxiliary Contacts	1
Conduction Resistance (Ω)	40
Contact Material	Ag-Ni, Self-cleaning, Positive Drive
Contact Resistance (Ω)	0.1
Maximum Cable Cross Section (mm^2)	2.5
Maximum Leakage Current (mA)	1mA (Safety Digital Outputs)
Maximum Rated Control Voltage DC (V)	28.8
Maximum Storage Temperature ($^{\circ}\text{C}$)	85
Maximum Switching Capacity (A)	1A (Auxiliary Contacts), 6A (Safe Relay Outputs)
Maximum Switching Capacity AC (V)	250V (Safe Relay Outputs)
Maximum Switching Capacity DC (V)	24V (Auxiliary Contacts)
Maximum Switching Frequency (Hz)	0.3
Maximum Voltage Drop (V)	0.5
Minimum Cable Cross Section (mm^2)	0.25
Minimum Mechanical Life	10000000 Operations
Minimum Rated Control Voltage DC (V)	19.2
Minimum Storage Temperature ($^{\circ}\text{C}$)	-40
Minimum Switching Capacity (mA)	10mA (Safe Relay Outputs)
Minimum Switching Capacity DC (V)	10V (Safe Relay Outputs)

No. of Inputs	4 for NC, 2 for NO
No. of Outputs	2 (Fail-safe Digital Output)
No. of Safety Contacts	2
No. of Signalling Outputs	1
Power Consumption (W)	3
Rated Insulation Voltage (V)	250 / 50
Rated Operational Current (mA)	150
Rated Operational Current AC-15 (A)	4A (Safe Relay Outputs)
Rated Operational Current DC-12 (A)	0.1A (Digital Output)
Rated Operational Current DC-13 (A)	2A (Safety Digital Outputs), 4A (Safe Relay Outputs)
Rated Operational Voltage (V)	24V DC -20%/+20%, Residual Ripple Max. 10%
Rated Operational Voltage AC-15 (V)	230V (Safe Relay Outputs)
Rated Operational Voltage DC-12 (V)	24V (Digital Output)
Rated Operational Voltage DC-13 (V)	24V (Safety Relay Outputs), 24V (Safety Digital Outputs)
Resistance to Shock (g/ms)	30g / 11ms
Resistance to Vibrations	10 ... 55Hz, Amplitude 0.35mm
Termination	Screw Connection, Plug-in
Tightening Torque (Nm)	0.5
Voltage Type	DC

Physical Attributes

Housing Material	Glass-fibre, Reinforced Thermoplastic, Ventilated
Maximum Ambient Temperature (°C)	60
Minimum Ambient Temperature (°C)	-25
No. of LEDs	6

Dimensions

Depth (mm)	115
Height (mm)	98
Width (mm)	22.5



Protection & Standards

Degree of Protection	IP40, Clips - IP20
Pollution Degree	2
Standards and Approvals	EN IEC 60947-5-1, EN IEC 61508, EN 60068-2-78

Resources

Product catalogue (Flipbook)	Download from here
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