

Product No: 101170048

SCHMERSAL AES 1165-2250 SAFETY RELAY MODULE 101170048



General Information

Brand	SCHMERSAL
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Technical Attributes

Conduction Resistance (Ω)	40
Contact Material	Ag-Ni 10 and 0.2 μ m gold-plated
Contact Resistance (Ω)	0.1
Frequency Range (Hz)	50 - 60
Input Signal	10 - 30V DC (HIGH Signal), 0 - 2V DC (LOW Signal)
Maximum Cable Cross Section (mm^2)	2.5
Maximum Rated Control Voltage AC (V)	26.4
Maximum Rated Control Voltage DC (V)	28.8
Maximum Storage Temperature ($^{\circ}\text{C}$)	70
Maximum Switching Capacity (A)	2A (Auxiliary Contacts), 8A (Safe Relay Outputs)
Maximum Switching Capacity AC (V)	250V (Safe Relay Outputs)
Maximum Switching Capacity DC (V)	24V (Auxiliary Contacts)
Minimum Cable Cross Section (mm^2)	0.25
Minimum Mechanical Life	20000000 Operations
Minimum Rated Control Voltage AC (V)	20.4
Minimum Rated Control Voltage DC (V)	20.4
Minimum Storage Temperature ($^{\circ}\text{C}$)	-25
Minimum Switching Capacity (mA)	10mA (Safe Relay Outputs)
Minimum Switching Capacity DC (V)	10V (Safe Relay Outputs)

No. of Inputs	2 for NC, 1 for NO
No. of Safety Contacts	1
No. of Signalling Outputs	2
Power Consumption (W)	5
Rated Impulse Withstand Voltage (kV)	4
Rated Operational Current AC-15 (A)	6A (Safe Relay Outputs)
Rated Operational Current DC-12 (A)	0.1A (Digital Output)
Rated Operational Current DC-13 (A)	6A (Safe Relay Outputs)
Rated Operational Voltage (V)	24V AC -15%/+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)
Resistance to Shock (g/ms)	30g / 11ms
Resistance to Vibrations	10...55Hz, Amplitude 0.35mm, ± 15 %
Termination	Screw Terminals M20 x 1.5
Thermal Test Current (A)	6
Tightening Torque (Nm)	0.6
Voltage Type	DC

Physical Attributes

Housing Material	Glass-fibre, Reinforced Thermoplastic, Ventilated
Maximum Ambient Temperature (°C)	55
Minimum Ambient Temperature (°C)	0
No. of LEDs	1

Dimensions

Depth (mm)	121
Height (mm)	100
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, BG-GS-ET-14

Resources

Product catalogue (Flipbook) [Download from here](#)