

Overload Relays Technical Data

Thermal Overload Relays
Thermistor Overload Relays

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			Type →	Z5-I.K3	Z5-I.K4	Z5-FF250	ZWA
General							
Specifications				UL, CSA, IEC/EN 60 947, CE, DIN VDE 0660.....			
Climatic test				Damp heat, constant, to IEC/EN 60 068-2-3..... Damp heat, cyclic, to IEC/EN 60 068-2-30.....			
Ambient Temperature	Open	max./min. °C		+ 50/-25.....			+ 70/-25
	Enclosed	max./min. °C		+ 40/-25.....			
Temperature compensation				Continuous.....			
Dimensions				Page 4/14.....			
Mechanical shock resistance (sinusoidal shock 10 ms)			g(m/sec ²)	10.....			15/11
Degree of protection			IP	00.....			20 (00 >100A)
Protection against direct contact when actuated from the front by a perpendicular test finger (DIN VDE 0106, Part 100) (IEC 536)				Finger-and back-of-hand-proof		With terminal cover	Finger-and-back- of-hand-proof
Main circuit							
Rated voltage			V AC	600.....			
Setting current			A	25-100	35-142	50-250	1.25-820
Short-circuit protection Maximum fuse or circuit breaker				Page 4/4.....			As required for contactor
Heat losses in the current paths							
Minimum setting			W	< 16.....			—
Maximum setting			W	< 28.....			—
Terminal capacities (max.)							
Solid or stranded			AWG	2	2/0	250kcmil	—
Auxiliary contacts							
Rated voltage			V AC/V DC	600/300.....			
Pilot duty rating			AC DC	B600/B300 same polarity/opposite polarity..... R300.....			
Rated operational current I _e							
AC-15							
NO/NC			A	—			6/6
contacts			A	1.5/1.5.....			3/3
			A	0.5/0.9.....			—
			A	0.5/0.8.....			—
DC-13 ¹⁾							
L/R ≤ 15 ms							
NO/NC							
contacts			A	0.9/0.75/0.4/0.2.....			2 @ 24V

1) Making and breaking currents to DC-13, time constant as stated.