② 国际系 Motor Protection Control 2-6500-…

Description

Bimetal operated single pole motor protection control with automatic reset actuation, small physical size, reliable snap-action mechanism.

Caution: In specifying this product, care should be taken to ensure that automatic motor re-start does not represent a safety hazard.

Typical applications

Motors, transformers, extra low voltage wiring.

Ordering information

Type N	ο.					
2-6500	su	rfac	ce typ	pe with flange		
	Те	rm	ninal design			
	le terminals 6.3-0.8 (QC .250)					
	Sh			nt terminal (optional)		
			A3	blade terminals or solder terminals; max. load 5 A		
				Current ratings		
				0.110 A		
2-6500	- P1	0 -		6 A ordering example		

Please be informed that we have minimum ordering quantities to be observed.

Standard current ratings and typical internal resistance values

Current rating (A)	Internal resistance (Ω)	Current rating (A)	Internal resistance (Ω)
0.1	140	2	0.47
0.2	47.5	2.5	0.33
0.3	20.5	3	0.212
0.4	11.4	3.5	0.155
0.5	7.25	4	0.107
0.6	5.35	4.5	0.095
0.7	3.8	5	0.072
0.8	2.95	6	0.054
1	1.92	7	0.032
1.2	1.32	8	0.02
1.5	0.85	9	< 0.02
1.8	0.59	10	< 0.02

Approvals

Authority	Standard	Rated voltage	Current ratings
UL	UL 244A	AC 250 V DC 28 V	0.1 A15 A 0.1 A15 A
CSA	C22.2 No 235	AC 250 V DC 28 V	0.1 A15 A 0.1 A15 A



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Technical data

Voltage rating	AC 250 V (50/60 H	z); DC 28 V			
Current ratings	0.110 A (up to 15 A upon request)				
Typical life	100,000 operations Protection is ensur continuous locked $I_k \le 6 \times I_N$, max. 30 (unsupervised duty	ed for 18 days of rotor condition with A			
Ambient temperature	-10+60 °C (-10	.+140 °F)			
Insulation co-ordination (IEC 60664 and 60664 A)	rated impulse withstand voltage 2.5 kV	pollution degree 3			
Dielectric strength (IEC 60664 and 60664A)	test voltage AC 2,0	000 V			
Insulation resistance	> 100 MΩ (DC 500	V)			
Interrupting capacity	8 x I _N (co-co-co)				
Reset time at 23 °C	≥ 30 sec ≤ 70 sec				
Degree of protection (IEC 60529/DIN 40050)	housing IP30 terminal area IP00				
Vibration	5 g (57-500 Hz) ± 0 to IEC 60068-2-6, 1 10 frequency cycle				
Shock	15 g (11 ms) test to IEC 60068-2	2-27, test Ea			
Corrosion	48 hours at 5 % sa to IEC 60068-2-11,				
Humidity	240 hours at 95 % to IEC 60068-2-78,				
Mass	approx. 20 g				

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Internal connection diagram

Dimensions



Typical time/current characteristics at +23 °C/+73.4 °F



The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping, please multiply the circuit breaker current ratings by the derating factor shown below. See also section Technical information.

Ambient temp. °F °C			+50 +10	+73.4 +23	+86 +30		+122 +50	+140 +60
Derating factor	0.84	0.92	1	1	1	1.08	1.16	1.24

This is a metric design and millimeter dimensions take precedence (mm) inch/

All dimensions without tolerances are for reference only. In the interest of improved design,				
performance and cost effectiveness the right to make changes in these specifications				
without notice is reserved. Product markings may not be exactly as the ordering codes.				
Errors and omissions excepted.				