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ISO 9001 Certified Quality System

Cod. DS0634BAL6

Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	690
Rated operating voltage		Ue	V	690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		Ith	A	63
Rated thermal current for enclosed switch		Ithe	A	63
Rated operation frequency			Hz	50
Power dissipation for each pole			W	3,7
Rated operating current Ie				
AC-21A Switching resistive loads, including moderate overloads	690V	Ie	A	63
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	Ie	A	63
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads		400V	Kw (A)	25 (47)
		690V	Kw (A)	18,5 (19)
AC-3 Squirrel cage motors: starting, switching off motors during running		400V	Kw (A)	18,5 (33)
		690V	Kw (A)	15 (16)
Rated breaking capability in category AC-23A (cos φ=0,45)		400V	A	376
		690V	A	-
Short circuit protection				
Rated short time withstand current (1s)		Icw	A	1500
Rated short-circuit make capacity		Icm	A	2000
Rated conditional short-circuit current			kA	15
With fuses class gG		500V	A	63
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	V	600
General use current	600Vac	Ie	A	80
Rated operating power				
1 phase - 2 pole		120V	Hp/FLA	3/34
		240V	Hp/FLA	5/28
3 phase - 3 pole		200V	Hp/FLA	10/32
		240V	Hp/FLA	20/54
		480V	Hp/FLA	25/34
		600V	Hp/FLA	30/32
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	225
Short Circuit Rating@600Vac			kA	10
Mechanical characteristics				
Mechanical life (120 cycles/hour)		Operations $x10^6$		0,1
Connecting capability with flexible wires		Min-Max	mm2	6-35
Connecting capability with solid wires		Min-Max	mm2	10-50
Connecting capability with flexible wires		Min-Max	AWG	10/01
Connecting capability with solid wires		Min-Max	AWG	08/01
Terminal screw				M5
Screw tightening torque			Nm	2,8
			lbf-in	24
Protection degree IEC 529 EN 60529				
Terminals				IP20
Handles				IP66
Ambient conditions				
Operational ambient temperature			°C	-25 ÷ +70
Storage ambient temperature			°C	-40 ÷ +85
Withstand to constant humid according to IEC 60068				sec. IEC 60068-2-78
Withstand to cycling humid according to IEC 60069				90% at 55°C

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