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ISO 9001 Certified Quality System

Cod. DS0403GDY4L

Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	V	800
Rated operating voltage		Ue	V	800
Rated impulse withstand voltage		Uimp	kV	8
Rated thermal current for open switch		Ith	A	40
Rated thermal current for enclosed switch		Ithe	A	40
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	2,5
Rated operating current Ie				
AC-21A Switching resistive loads, including moderate overloads	690V	Ie	A	40
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	Ie	A	40
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads		400V	Kw (A)	15 (28)
		690V	Kw (A)	15 (18)
AC-3 Squirrel cage motors: starting, switching off motors during running		400V	Kw (A)	11 (21)
		690V	Kw (A)	11 (12)
Rated breaking capability in category AC-23A (cos φ=0,45)		400V	A	228
		690V	A	144
Short circuit protection				
Rated short time withstand current (1s)		Icw	A	500
Rated short-circuit make capacity		Icm	A	750
Rated conditional short-circuit current			kA	10
With fuses class gG		500V	A	40
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	V	600
General use current	600Vac	Ie	A	40
Rated operating power				
1 phase - 2 pole		120V	Hp/FLA	- / -
		240V	Hp/FLA	- / -
3 phase - 3 pole		200V	Hp/FLA	- / -
		240V	Hp/FLA	- / -
		480V	Hp/FLA	- / -
		600V	Hp/FLA	10 / 11
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	40
Short Circuit Rating@600Vac			kA	10
Mechanical characteristics				
Mechanical life (120 cycles/hour)		Operations x10^6		0,03
Connecting capability with flexible wires		Min-Max	mm2	1,5 - 10
Connecting capability with solid wires		Min-Max	mm2	1,5 - 16
Connecting capability with flexible wires		Min-Max	AWG	16/08
Connecting capability with solid wires		Min-Max	AWG	16/06
Terminal screw				M4
Screw tightening torque			Nm	1,7
			lbf-in	12
Protection degree IEC 529 EN 60529				
Terminals				IP20
Handles				IP66
Ambient conditions				
Operational ambient temperature			°C	-25 ÷ +55
Storage ambient temperature			°C	-25 ÷ +55
Withstand to constant humid according to IEC 60068				sec. IEC 60068-2-78
Withstand to cycling humid according to IEC 60069				sec. IEC 60068-2-30

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