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ISO 9001 Certified Quality System

Cod. DS0204BFK6



Standard and Approvals

- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller



Technical characteristics: Body

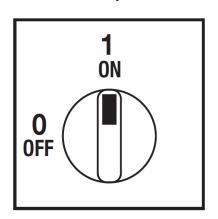
- Disconnect switch 3+N
- IP20 protection degree
- Rating operational current le: 20A (AC-21A)
- Rating thermal current Ith: 25A
- Rating insulation voltage: 690V
- · Rear Mounting
- Quick fixing Ø22mm (0,87")
- · Switching angle: 90°
- Positive opening double break contacts, silver alloy made.
- Self-extinguishing class V2



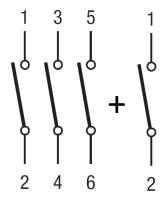
Technical characteristics: Plate and knob

- Grey plate 67x67mm and Black padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Quick fixing Ø22mm (0,87")

Plate and position



Electrical scheme



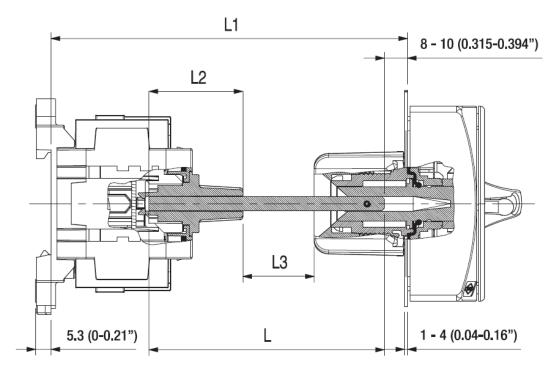
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measures in mm (in)

Dimensions

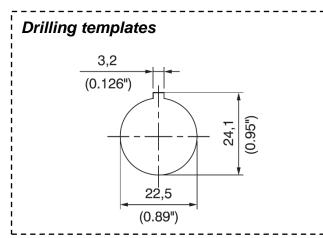


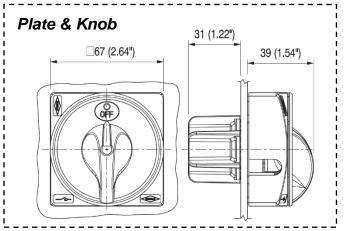
To determine the cut length L of the shaft, consider the following guidelines:

 $\begin{array}{l} L3 \geq 1mm \\ 12mm \leq L2 \leq 32mm \end{array}$

L min.	L max.
92 [3.63]	227 [8.94]

In practice: L1 - $61mm \le L \le L1$ - 41mm







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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	Α	25
Rated thermal current for enclosed switch		Ithe	Α	25
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	0,6
Rated operating current le				
AC-21A Switching resistive loads, including moderate overloads	690V	le	Α	20
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	A	20
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads		400V	Kw (A)	9 (18)
		690V	Kw (A)	9 (13)
AC-3 Squirrel cage motors: starting, switching off motors during running		400V	Kw (A)	5,5 (10)
		690V	Kw (A)	5,5 (6)
Rated breaking capability in category AC-23A (cos φ=0,45)		400V	А	144
		690V	A	104
Short circuit protection				
Rated short time withstand current (1s)		lcw	A	300
Rated short-circuit make capacity		Icm	A	750
Rated conditional short-circuit current			kA	10
With fuses class gG		500V	A	20
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	V	600
General use current	600Vac	le	A	20
Rated operating power				
1 phase - 2 pole		120V	Hp/FLA	1/-
		240V	Hp/FLA	2/-
		200V	Hp/FLA	-/-
3 phase - 3 pole		240V	Hp/FLA	5 / 15,2
		480V	Hp/FLA	10 / 14
		600V	Hp/FLA	15 / 17
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	20
Short Circuit Rating@600Vac			kA	5
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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