

Cod. DS0323BFCD

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



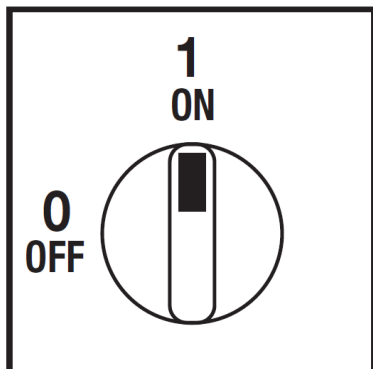
Technical characteristics: Body

- Disconnect switch 3P
- IP20 protection degree
- Rating operational current Ie: 32A (AC-21A)
- Rating thermal current Ith: 32A
- Rating insulation voltage: 690V
- Base Mounting
- Fixing: - with screws
- Din rail
- Switching angle: 90°
- Positive opening double break contacts, silver alloy made.
- Self-extinguishing class V2

Technical characteristics: Plate and knob

- Direct operation black knob

Plate and position



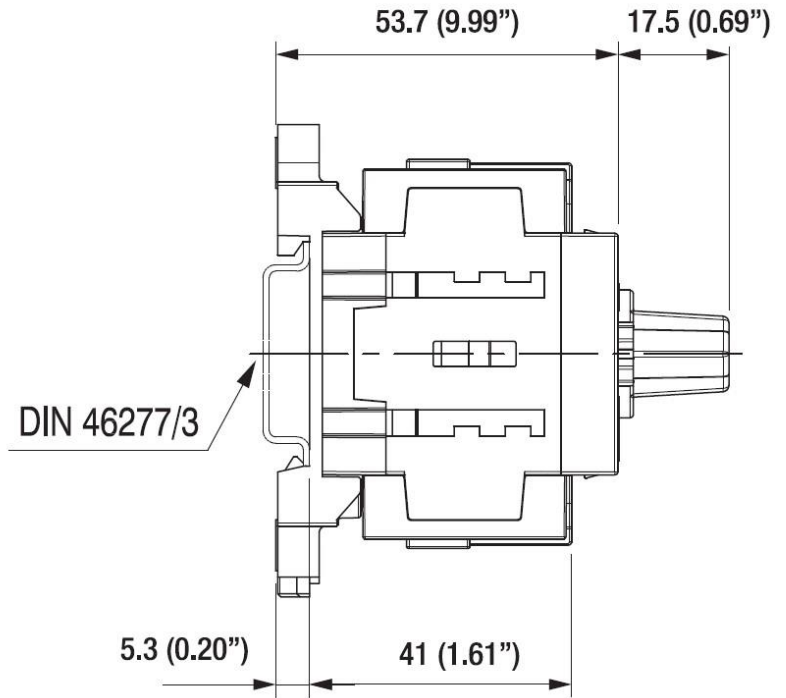
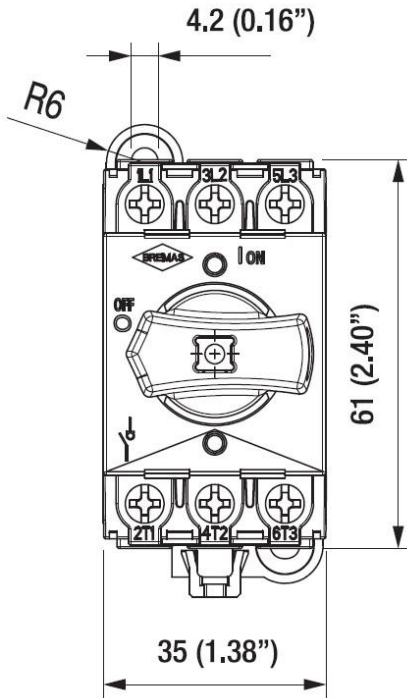
Electrical scheme



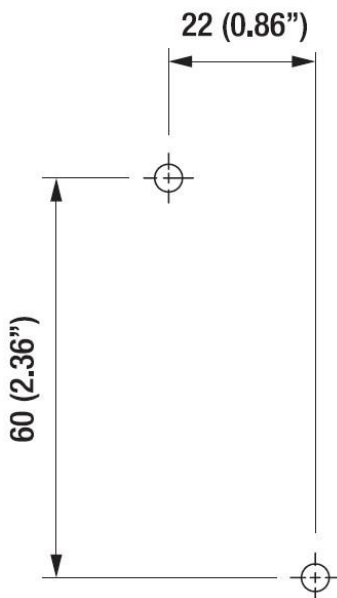
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measures in mm (in)

Dimensions



Drilling templates



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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	A	32
Rated thermal current for enclosed switch		Ithe	A	32
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1,3
Rated operating current Ie				
AC-21A Switching resistive loads, including moderate overloads	690V	Ie	A	32
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	Ie	A	32
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads	400V		Kw (A)	11 (22)
	690V		Kw (A)	11 (16)
AC-3 Squirrel cage motors: starting, switching off motors during running	400V		Kw (A)	7,5 (14)
	690V		Kw (A)	7,5 (8)
Rated breaking capability in category AC-23A (cos φ=0,45)	400V		A	176
	690V		A	128
Short circuit protection				
Rated short time withstand current (1s)		Icw	A	400
Rated short-circuit make capacity		Icm	A	750
Rated conditional short-circuit current			kA	10
With fuses class gG	500V		A	32
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	V	600
General use current	600Vac	Ie	A	30
Rated operating power				
1 phase - 2 pole	120V		Hp/FLA	1,5 / -
	240V		Hp/FLA	3 / -
	200V		Hp/FLA	- / -
3 phase - 3 pole	240V		Hp/FLA	7,5 / 22
	480V		Hp/FLA	15 / 21
	600V		Hp/FLA	20 / 22
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	30
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	mm ²	1,5 - 10
Connecting capability with solid wires		Min-Max	mm ²	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