

Cod. XNF0164BK6

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

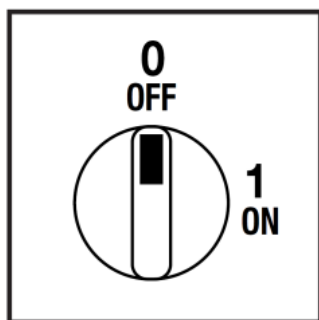
- Disconnect switch 4P with fuse holders
- Fuses are not included
- IP20 protection degree
- Rating operational current: 16A
- Rating thermal current: 16A
- Rating insulation voltage: 690V
- Base mounting
- Fixing:
 - with screw
 - DIN rail
- Switching angle: 90°
- Positive opening double break contacts, made of silver and alloy.



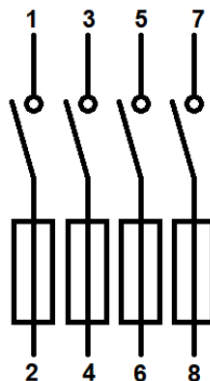
Technical characteristics: Plate and knob

- Grey plate 67x67mm and black padlockable knob (max. 3 padlocks)
- Protection degree IP66
- Fixing:
 - 2 screw at 28mm vertical
 - 2 screw at 32mm horizontal

Plate and position



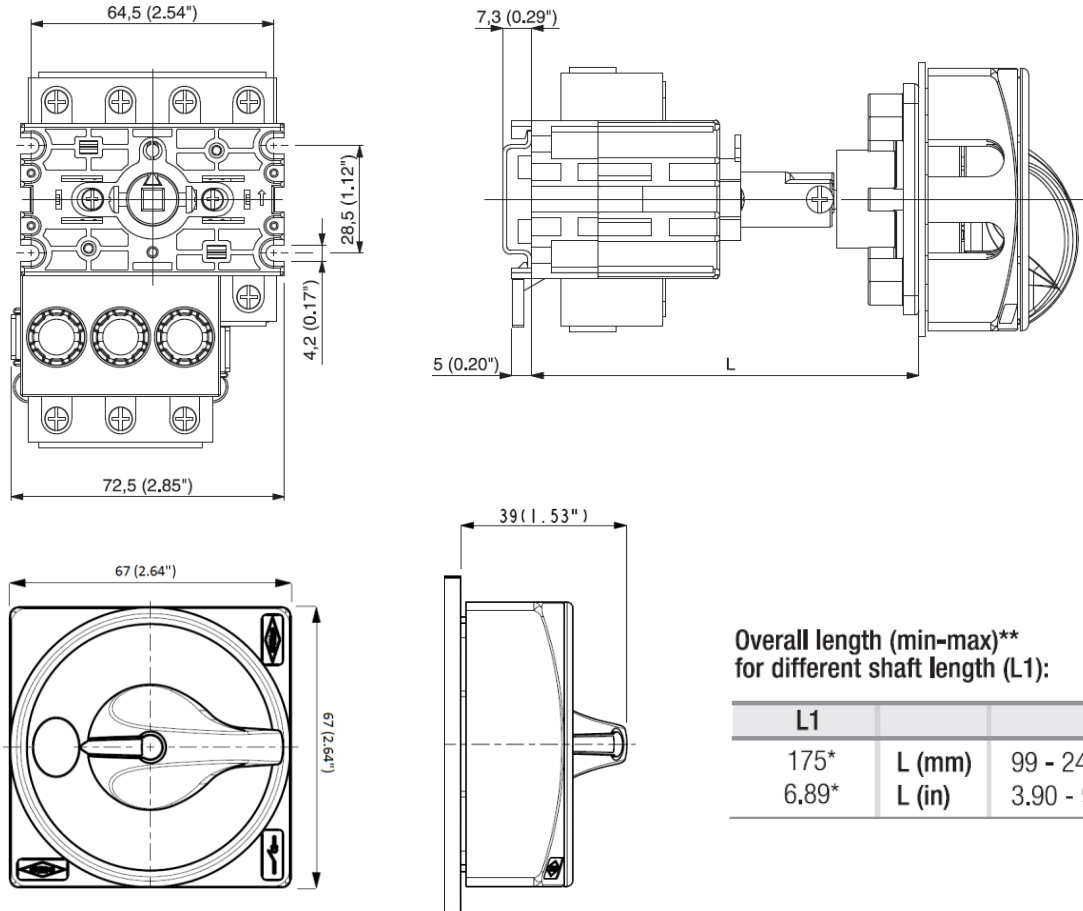
Electrical scheme



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Dimensions

measures in mm (in)

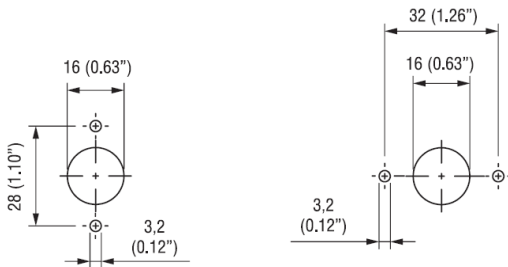


Overall length (min-max)
for different shaft length (L1):**

L1	L (mm)	L (in)
175*	99 - 243	3.90 - 9.57
6.89*		

Drilling templates

measures in mm (in)



Escutcheon plate mounting options:

- 1) 2 holes with vertical distance 28mm (1.10")
- 2) 2 holes with horizontal distance 32mm (1.26")
- 3) 4 holes with distance 48 mm (1.89")

Switch mounting options:

- 1) 4 holes with distance 58x18mm (2.28x0.71")

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Technical data IEC 947-3 EN 60947-3				XNF016
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		16
Rated thermal current for enclosed switch	Ithe	A		16
Rated operation frequency		Hz		50
Power dissipation for each pole		W		1,8*
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads	690V	Ie	A	16
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	Ie	A	16
Rated operating power				
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole	230V	Kw (A)		7,5 (24)
	400V	Kw (A)		13 (24)
	500V	Kw (A)		13 (16)
	690V	Kw (A)		15 (16)
AC-3 Squirrel cage motors: starting, switching off motors during running 3 phase - 3 pole	230V	Kw (A)		16 (19)
	400V	Kw (A)		10 (18)
	500V	Kw (A)		10 (14)
	690V	Kw (A)		12 (13)
Rated breaking capability in AC-23A (cos φ=0,45)	230V	A		192
	400V	A		240
Short circuit protection				
Rated short time withstand current	Icw	A		400
Rated conditional short-circuit current		kA		10
With fuses class gG	500V	A		16
Mechanical characteristics				
Mechanical life (120 cycles/hour)	Mil.Man			2
Connecting capability with flexible wires	Min-Max	mm ²		1,5-10
Connecting capability with solid wires	Min-Max	mm ²		1,5-16
Terminal screw				M4
Screw tightening torque		Nm		1,4
Protection degree IEC 529 EN 60529				
Terminals				IP20
Plate and knob				IP66
Ambient conditions				
Operating ambient temperature		°C		-25 ÷ +55
Storage ambient temprature		°C		-30 ÷ +70
Withstand to constant humid according to IEC 60068				sec. IEC 60068-2-78
Withstand to cyclic humid according to IEC 60068				sec. IEC 60068-2-30
Auxiliary contacts				XC16AN XC16CN
Rated insulation voltage	Ui	V		690
Rated thermal current for open switch	Ith	A		20
AC-21A Switching resistive loads, including moderate overloads	690V	A		6
AC-15 Control of a.c electromagnetic loads	230V	A		20

*Power dissipated from each fuse