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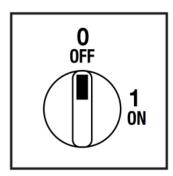
ISO 9001 Certified Quality System

Cod. XNF0164BL6





Plate and position



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



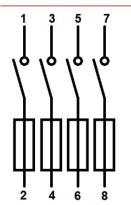
Technical characteristics: Body

- 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

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

Electrical scheme



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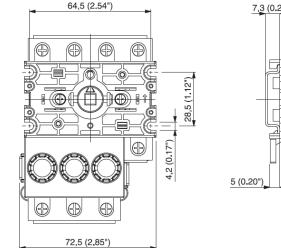
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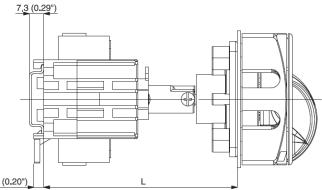
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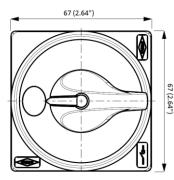
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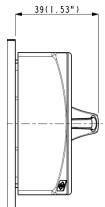
Dimensions

measures in mm (in)







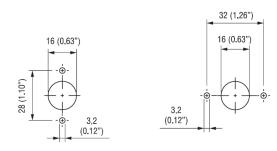


Overall length (min-max)** for different shaft length (L1):

L1		
175*	L (mm)	99 - 243
6 . 89*	L (in)	3.90 - 9.57

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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				XNF016
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	Α	16
Rated thermal current for enclosed switch		Ithe	Α	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	le	А	16
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	А	16
Rated operating power				
		230V	Kw (A)	7,5 (24)
		400V	Kw (A)	13 (24)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole		500V	Kw (A)	13 (16)
		690V	Kw (A)	15 (16)
		230V	Kw (A)	16 (19)
		400V	Kw (A)	10 (18)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole		500V	Kw (A)	10 (10)
		690V	Kw (A)	12 (13)
		230V	A	192
Rated breaking capability in AC-23A (cos φ=0,45)		400V	A	240
Short circuit protection		400 V	~	240
Rated short time withstand current		lcw	Α	400
Rated conditional short-circuit current		kA	10	
With fuses class gG	500V	A	16	
Mechanical characteristics		5007	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	10
Mechanical life (120 cicles/hour)		Mil.Man		2
Connecting capability with flexible wires		Min-Max	mm2	1,5-10
Connecting capability with solid wires		Min-Max	mm2	1,5-16
Terminal screw		IVIIII-IVIAA	mmz	M4
Screw tightening torque		Nm	1,4	
Protection degree IEC 529 EN 60529			NIII	1,4
Terminals	IP20			
Plate and knob				120
Ambient conditions				1100
Operating ambient temperature			°C	-25 ÷ +55
Storage ambient temperature		°C	-30 ÷ +70	
Withstand to constant humid according to IEC 60068		L	sec. IEC 60068-2-78	
Withstand to constant humid according to FEC 60068		sec. IEC 60068-2-78		
Auxiliary contacts		XC16AN XC16CN		
Rated insulation voltage	Ui	V	690	
Rated thermal current for open switch		U	A	20
AC-21A Switching resistive loads, including moderate overloads	690V	A	6	
AC-21A Switching resistive loads, including moderate overloads AC-15 Control of a.c electromagnetic loads	230V	A	20	
ACTO CONTO O DI AL ERCU O MAGNETICI DAUS	23UV	А	20	

*Power dissipated from each fuse

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