



General characteristics

Switching diagram	91 - ON/OFF switch 2 poles
N° of elements	1
Mounting form	U - Front mounting with black handle

Contact characteristics

Rated insulation voltage U_i	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage U_{imp}		kV	6
Conventional free air thermal current I_{th}	IEC/EN	A	32
	UL/CSA	A	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	32
	15kA	A	32
	25kA	A	32
	50kA	A	32
Rated short time current I_{cw}			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current I_e IEC/EN			
	AC1/AC21A	A	32
AC15	110V	A	25
	220/230V	A	20
	380/400V	A	10
	660/690V	A	2
Rated operational power in AC			
	Three-phase AC-3		
	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
	Single-phase AC-3		
	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5
	Three-phase AC23A		
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	18.5

Single-phase AC23A

110V	kW	2.2
220/230V	kW	4
380/440V	kW	7.5

Rated operational current in DC

DC21A

48V	A	32
60V	A	32
110V	A	6
220V	A	0.9

DC23A (poles in series)

24V	A	32 (1)
48V	A	32 (2)
60V	A	32 (3)
110V	A	15 (3)
220V	A	12 (4)

DC13

24V	A	32
48V	A	25
60V	A	16
110V	A	3
220V	A	0.5

Power dissipation

W	1.5
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Mechanical features

Terminals screw

M4

Tightening torque for terminals max

Nm	1.2
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Conductor size

AWG - Rigid cable

min	AWG	16
Max	AWG	8

AWG - Flexible cable

min	AWG	16
Max	AWG	10

Conductor size (IEC) - Flexible cable

min	mm ²	1.5
Max	mm ²	4

Conductor size (IEC) - Rigid cable

min	mm ²	1.5
Max	mm ²	6

Mechanical life

cycles	5x10 ⁶
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UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	5
240V	HP	10
480V	HP	15
600V	HP	15

for single-phase motor

120V	HP	2
240V	HP	5

Ambient conditions

Temperature

Operating temperature

min	°C	-25
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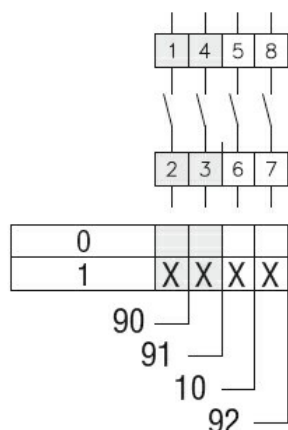
Storage temperature	max	°C	+55
	min	°C	-40
	max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN/BS 60947-1
IEC/EN/BS 60947-3
IEC/EN/BS 60947-5-1
UL60947-4-1

Certificates

cCSAus
EAC
UL

ETIM classification

ETIM 8.0	EC001105 - Off-load switch
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