



### 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	25		
	UL/CSA	A	30		
Rated operational voltage		V	480		
Rated operational impulse voltage		kV	4		
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	25		
	15kA	A	25		
	25kA	A	25		
Rated short time current $I_{cw}$		1s	kA	400	
	Conductivity			10/5 mA/V	
Operational current $I_e$ IEC/EN	AC1/AC21A			A	25
	AC15				
	110V	A	16		
	220/230V	A	12		
	380/400V	A	8		
	660/690V	A	2		
Rated operational power in AC	Three-phase AC-3				
	220/230V	kW	5.5		
	380/440V	kW	7.5		
	500/690V	kW	7.5		
	Single-phase AC-3				
	110V	kW	1.5		
	220/230V	kW	3		
	380/440V	kW	5.5		
	Three-phase AC23A				
	220/230V	kW	6.5		
	380/440V	kW	11		
	500/690V	kW	11		
	Single-phase AC23A				

	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5
<b>Rated operational current in DC</b>			
DC21A			
	48V	A	25
	60V	A	25
	110V	A	4
	220V	A	0.7
DC23A (poles in series)			
	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
DC13			
	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
<b>Power dissipation</b>		W	1.1
<b>Mechanical features</b>			
<b>Terminals screw</b>			M3.5
<b>Tightening torque for terminals max</b>		Nm	0.8
<b>Conductor size</b>			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	10
AWG - Flexible cable			
	min	AWG	20
	Max	AWG	12
Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
<b>Mechanical life</b>		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
<b>Motor power for direct-on-line control</b>			
for three-phase motor			
	120V	HP	3
	240V	HP	5
	480V	HP	10
	600V	HP	15
for single-phase motor			
	120V	HP	1.5
	240V	HP	3
<b>Ambient conditions</b>			
<b>Temperature</b>			
Operating temperature			
	min	°C	-25
	max	°C	+55

Storage temperature

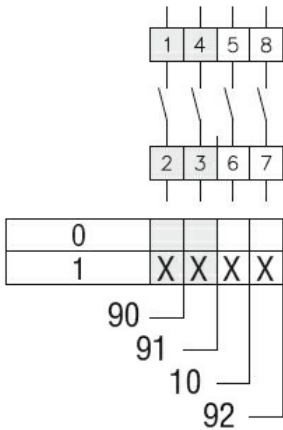
min	°C	-40
max	°C	+70

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