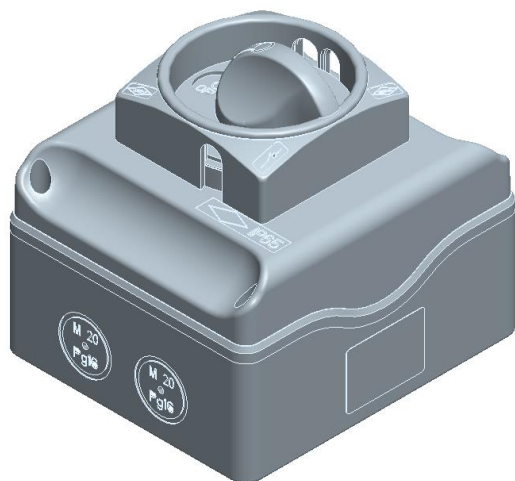


**Cod. SB0403B110AK6**

**Standard and Approvals**

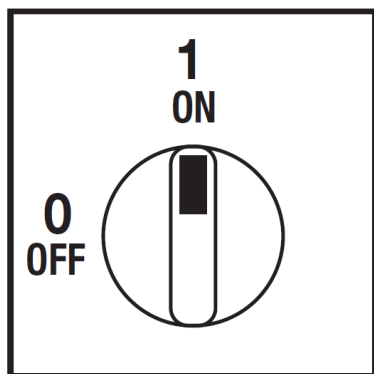
- Switch according to IEC/EN 60947-3
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Suitable as Manual Motor Controller



**Technical characteristics**

- ON-OFF 3P
- ABS double insulation thermoplastic enclosure
- Rated operational current  $I_n$ : 40A
- Rated thermal current  $I_{th}$ : 40A
- Rating insulation voltage: 690V
- Positive opening double break contacts, silver alloy made
- Grey plate 48x48mm and black padlockable knob (max. 3 padlocks)
- Switching angle: 90°
- Cover interlock in "ON" position
- Front drive
- IP65 Protection degree
- Fixing enclosure: 4 screw at 80x98mm

**Plate and position**



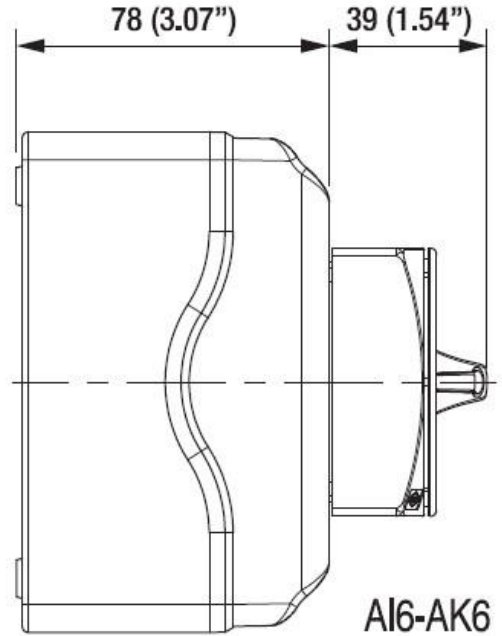
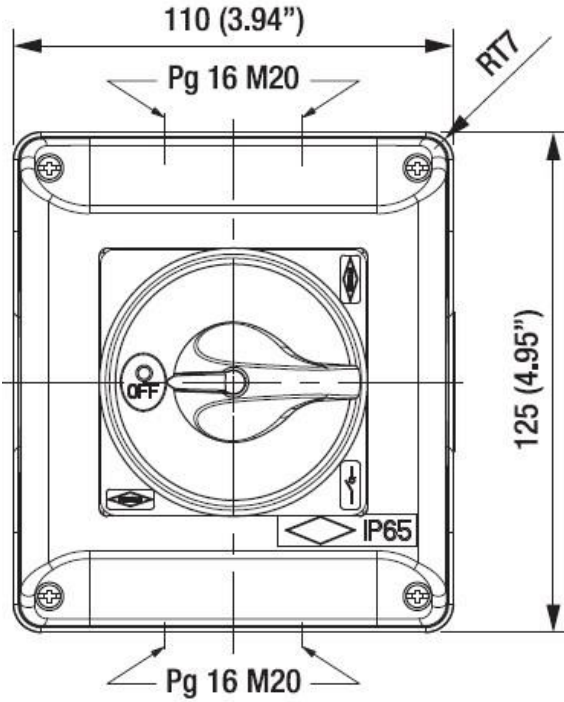
**Electrical scheme**



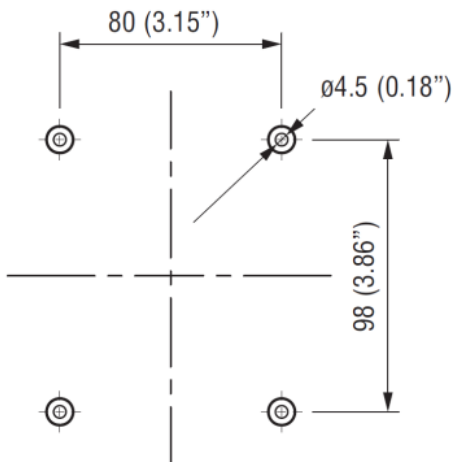
**Cod. SB0403B110AK6**

measures in mm (in)

**Dimensions**



**Drilling templates**



### Cod. SB0403B110AK6

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	40
Rated thermal current for enclosed switch	Ithe	A	40
Rated operation frequency		Hz	50/60
Power dissipation for each pole		W	2,5
Rated operating current Ie			
AC-21A Switching resistive loads, including moderate overloads	690V	Ie	A 40
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	Ie	A 40
Rated operating power			
AC-23A Switching of motor loads or other highly inductive loads	400V	Kw (A)	15 (28)
	690V	Kw (A)	15 (18)
AC-3 Squirrel cage motors: starting, switching off motors during running	400V	Kw (A)	11 (21)
	690V	Kw (A)	11 (12)
Rated breaking capability in category AC-23A (cos φ=0,45)	400V	A	228
	690V	A	144
Short circuit protection			
Rated short time withstand current (1s)	Icw	A	500
Rated short-circuit make capacity	Icm	A	750
Rated conditional short-circuit current		kA	10
With fuses class gG	500V	A	40
Technical data UL/CSA (sec. UL508)			
General use voltage	Ue	V	600
General use current	600Vac	Ie	A 40
Rated operating power			
1 phase - 2 pole	120V	Hp/FLA	- / -
	240V	Hp/FLA	- / -
3 phase - 3 pole	200V	Hp/FLA	- / -
	240V	Hp/FLA	- / -
	480V	Hp/FLA	- / -
	600V	Hp/FLA	10 / 11
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)		A	40
Short Circuit Rating@600Vac		kA	10
Mechanical characteristics			
Mechanical life (120 cycles/hour)	Operations x10 <sup>6</sup>		0,03
Connecting capability with flexible wires	Min-Max	mm <sup>2</sup>	1,5 - 10
Connecting capability with solid wires	Min-Max	mm <sup>2</sup>	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