

General characteristics

Switching diagram	109 - Multi-step 0-1-2-3-4 1 pole
N° of elements	2
Mounting form	P - Plastic enclosure with black handle

Contact characteristics

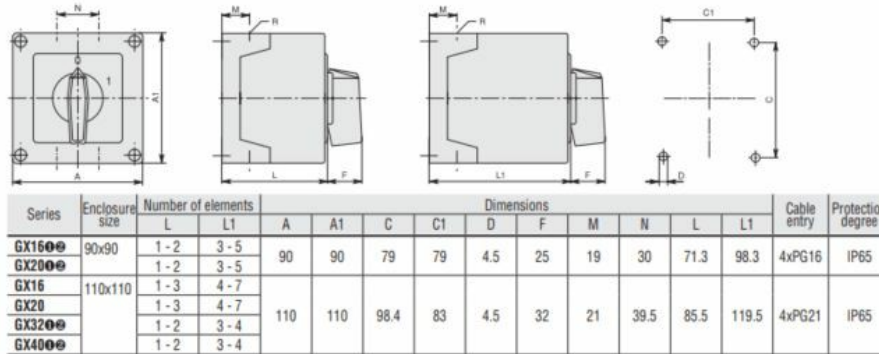
Rated insulation voltage U_i	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage U_{imp}		kV	6
Conventional free air thermal current I_{th}	IEC/EN	A	40
	UL/CSA	A	40
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	40
	15kA	A	35
	25kA	A	35
Rated short time current I_{cw}	1s	kA	1000
Conductivity			10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A		
		A	40
	AC15	110V	A 25
		220/230V	A 22
		380/400V	A 12
		660/690V	A 2
	Three-phase AC-3	220/230V	kW 7.5
		380/440V	kW 15
		500/690V	kW 15
	Single-phase AC-3	110V	kW 2.2
		220/230V	kW 4.4
		380/440V	kW 7
	Three-phase AC23A	220/230V	kW 9
		380/440V	kW 18.5
		500/690V	kW 15
	Single-phase AC23A	110V	kW 3
		220/230V	kW 5.2
		380/440V	kW 7.5
Rated operational current in DC	DC21A	48V	A 40
		60V	A 40

		110V	A	6
		220V	A	0.8
		440V	A	0.25
DC23A (poles in series)				
		24V	A	40 (1)
		48V	A	40 (1)
		60V	A	40 (3)
		110V	A	40 (3)
		220V	A	12 (4)
DC13				
		24V	A	40
		48V	A	32
		60V	A	16
		110V	A	3
		220V	A	0.5
		440V	A	0.15
Power dissipation			W	1.6
Mechanical features				
Terminals screw				M4
Tightening torque for terminals max			Nm	1.2
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	6
Conductor size (IEC) - Rigid cable				
		min	mm ²	1.5
		Max	mm ²	10
Mechanical life			cycles	1X10 ⁶
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
		max	°C	+55
Storage temperature				
		min	°C	-40
		max	°C	+70
Resistance & Protection				
Frontal IP degree				IP65

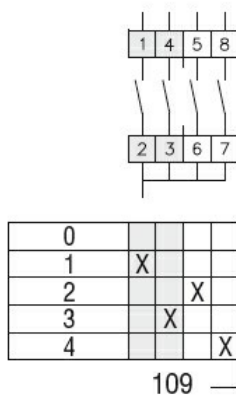
Terminals IP degree

IP20

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete