

General characteristics

Switching diagram	107 - Multi-step 0-1-2 1 pole
N° of elements	1
Mounting form	U47 - Snap on front mounting with black handle for hole diam. 22mm fixing

Contact characteristics

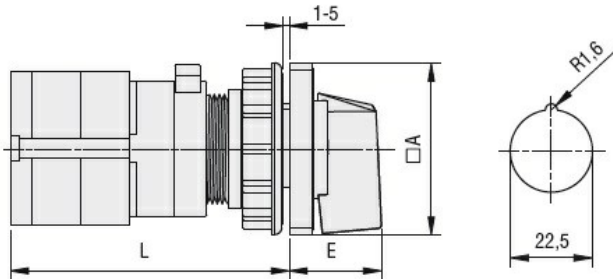
Rated insulation voltage U_i	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage U_{imp}		kV	6
Conventional free air thermal current I_{th}	IEC/EN	A	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	20
	15kA	A	16
	25kA	A	16
Rated short time current I_{cw}	1s	kA	250
	Conductivity		
Operational current I_e IEC/EN	AC1/AC21A		A 20
	AC15		
	110V	A	10
	220/230V	A	8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
	Single-phase AC-3		
	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
	Three-phase AC23A		
	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
110V	kW	0.8	
220/230V	kW	2.5	
380/440V	kW	3.7	
Rated operational current in DC			
DC21A			

		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
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DC23A (poles in series)				
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
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DC13				
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
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Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
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Conductor size				
AWG - Rigid cable				
		min	AWG	20
		Max	AWG	12
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AWG - Flexible cable				
		min	AWG	20
		Max	AWG	14
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Conductor size (IEC) - Flexible cable				
		min	mm ²	0.5
		Max	mm ²	2.5
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Conductor size (IEC) - Rigid cable				
		min	mm ²	0.5
		Max	mm ²	2.5
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Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
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for single-phase motor				
		120V	HP	0.75
		240V	HP	2
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Ambient conditions				
Temperature				
Operating temperature				
		min	°C	-25
		max	°C	+55
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Storage temperature				
		min	°C	-40
		max	°C	+70

Resistance & Protection

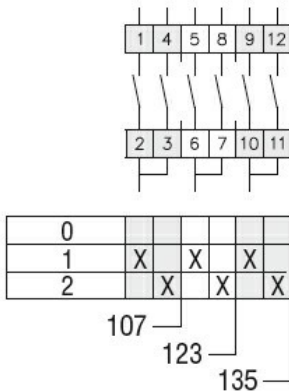
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	Dimensions		L			
	□A	E	1	2	3.....8	
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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

EC001029 -
Selector switch,
complete