

General characteristics

Switching diagram	54 - Changeover switch without 0 1 pole
N° of elements	1
Mounting form	U12 - Front mounting without front plate with key operation 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	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	
			10/5 mA/V	
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

Rated operational current in DC

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

Power dissipation		W	1.1
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Mechanical features

Terminals screw			M3.5
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Tightening torque for terminals max		Nm	0.8
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Conductor size

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 ²	0.5
	Max	mm ²	4

Conductor size (IEC) - Rigid cable	min	mm ²	0.5
	Max	mm ²	4

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	3
	240V	HP	5
	480V	HP	10
	600V	HP	15

for single-phase motor	120V	HP	1.5
	240V	HP	3

Ambient conditions

Temperature

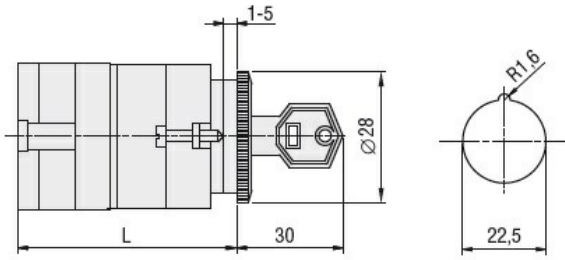
Operating temperature	min	°C	-25
	max	°C	+55

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

Resistance & Protection

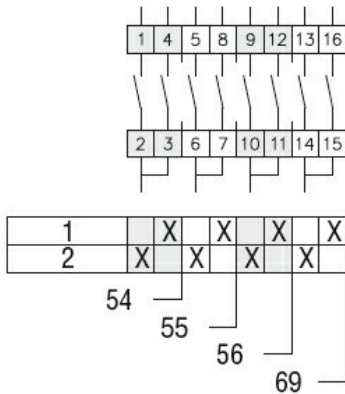
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	L			
	1	2	3...8	
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

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