



General characteristics

Switching diagram	90 - ON/OFF switch 1 pole
N° of elements	1
Mounting form	O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers

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	32
	UL/CSA	A	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	32
	15kA	A	32
	25kA	A	32
	50kA	A	32
Rated short time current I_{cw}	1s	kA	800
			10/5 mA/V
Conductivity			10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A	A	32
	AC15		
Rated operational power in AC	110V	A	25
	220/230V	A	20
	380/400V	A	10
	660/690V	A	2
Three-phase AC-3	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC-3	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5

Three-phase AC23A			
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	18.5
Single-phase AC23A			
	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	7.5
Rated operational current in DC			
DC21A			
	48V	A	32
	60V	A	32
	110V	A	6
	220V	A	0.9
DC23A (poles in series)			
	24V	A	32 (1)
	48V	A	32 (2)
	60V	A	32 (3)
	110V	A	15 (3)
	220V	A	12 (4)
DC13			
	24V	A	32
	48V	A	25
	60V	A	16
	110V	A	3
	220V	A	0.5
Power dissipation		W	1.5
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	4
Conductor size (IEC) - Rigid cable			
	min	mm ²	1.5
	Max	mm ²	6
Mechanical life		cycles	5x10 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

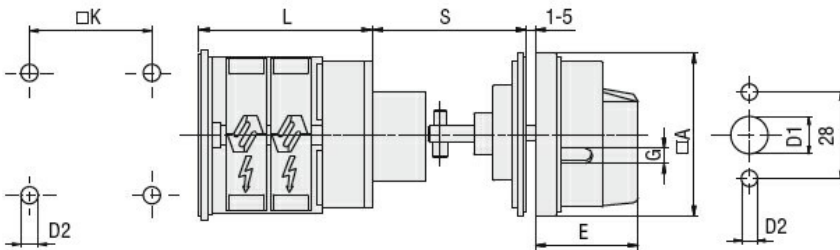
min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree IP40

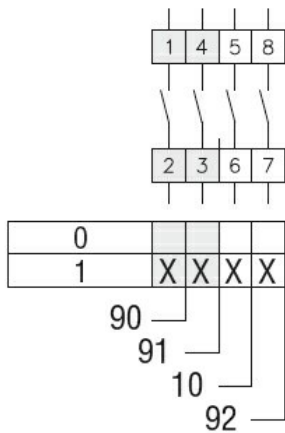
Terminals IP degree IP00

Dimensions



Series	Dimensions							L				
	□A	D1	D2	E	G	□K	S	1	2	3...12		
7GN12	65	12	5	34.2	5	36	45-55	41.1	50.8	60.5	147.8	
7GN20	65	12	5	34.2	5	36	45-55	41.1	50.8	60.5	147.8	
7GN25	65	14	5	38	6	48	45-55	51.5	66.6	81.7	217.6	
7GN40	65	14	5	38	6	48	45-55	51.5	66.6	81.7	217.6	
7GN63	65	14	6	38	6	68	45-55	57.3	75.4	93.5	256.4	

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