



Product designation				Rotary cam switches
Product type designation				7GN12
General characteristics				
Switching diagram				92 - ON/OFF switch 4 poles
N° of elements				2
Mounting form				U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics				
Rated insulation voltage Ui				
	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage Uimp				kV 6
Conventional free air thermal current Ith				
	IEC/EN	A	16	
	UL/CSA	A	15	
Rated operational voltage				V 480
Rated operational impulse voltage				kV 4
Maximum fuse size for short-circuit protection In (gG)				
	10kA	A	16	
	15kA	A	10	
	25kA	A	10	
Rated short time current Icw				
	1s	kA	200	
Conductivity				10/5 mA/V
Operational current Ie IEC/EN				
AC1/AC21A			A	16
AC15				
	110V	A	10	
	220/230V	A	8	
	380/400V	A	4	
	660/690V	A	1.5	
Rated operational power in AC				
Three-phase AC-3				
	220/230V	kW	2.5	
	380/440V	kW	4	
	500/690V	kW	5.5	
Single-phase AC-3				
	110V	kW	0.8	
	220/230V	kW	1.5	
	380/440V	kW	2.2	

Three-phase AC23A			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC			
DC21A			
	48V	A	12
	60V	A	12
	110V	A	4
	220V	A	0.6
	440V	A	0.25
DC23A (poles in series)			
	24V	A	10 (1)
	48V	A	10 (2)
	60V	A	10 (3)
	110V	A	5 (3)
	220V	A	5 (4)
DC13			
	24V	A	12
	48V	A	10
	60V	A	8
	110V	A	1
	220V	A	0.4
	440V	A	0.15
Power dissipation		W	0.8
Mechanical features			
Terminals screw			M3
Tightening torque for terminals max		Nm	0.5
Conductor size			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	12
AWG - Flexible cable			
	min	AWG	20
	Max	AWG	14
Conductor size (IEC) - Flexible cable			
	min	mm ²	0.5
	Max	mm ²	2.5
Conductor size (IEC) - Rigid cable			
	min	mm ²	0.5
	Max	mm ²	2.5
Mechanical life		cycles	3x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	1.5
	240V	HP	3
for single-phase motor			
	120V	HP	0.5
	240V	HP	1

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

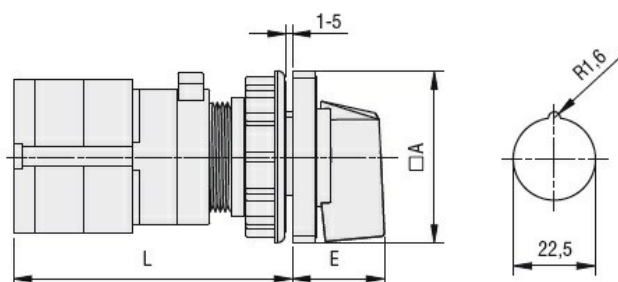
Frontal IP degree

IP40

Terminals IP degree

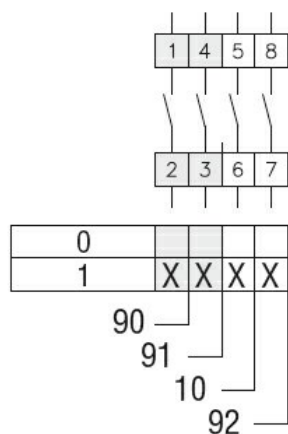
IP00

Dimensions



Series	Dimensions		L			
	□A	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