

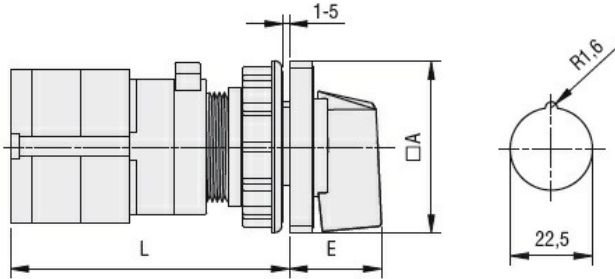
Product designation				Rotary cam switches	
Product type designation				7GN25	
General characteristics					
Switching diagram				124 - Multi-step 0-1-2-3 2 poles	
N° of elements				3	
Mounting form				U47 - Snap on front mounting with black handle for hole diam. 22mm fixing	
Contact characteristics					
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	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
Mechanical features			
Terminals screw			M3.5
Tightening torque for terminals max		Nm	0.8
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
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

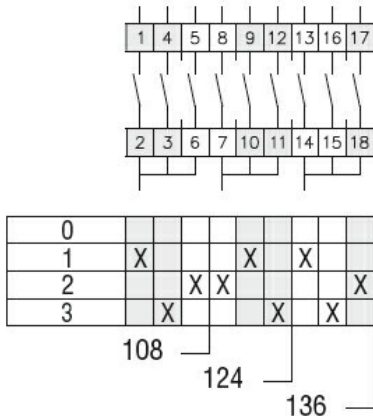
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	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