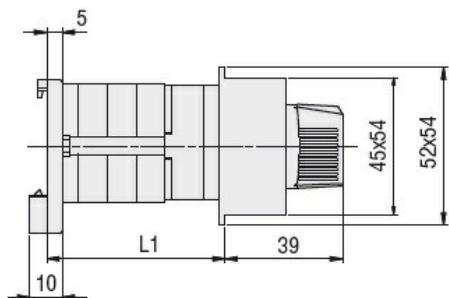


Product designation	Rotary cam switches		
Product type designation	7GN12		
<b>General characteristics</b>			
Switching diagram	124 - Multi-step 0-1-2-3 2 poles		
N° of elements	3		
Mounting form	O48 - Modular service cover for 35mm din rail mounting with black handle		
<b>Contact characteristics</b>			
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 le 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
<b>Mechanical features</b>			
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 <sup>2</sup>	0.5	
Max	mm <sup>2</sup>	2.5	
Conductor size (IEC) - Rigid cable			
min	mm <sup>2</sup>	0.5	
Max	mm <sup>2</sup>	2.5	
Mechanical life		cycles	3x10 <sup>6</sup>
<b>UL technical data</b>			
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	
<b>Ambient conditions</b>			
Temperature			
Operating temperature			
min	°C	-25	
max	°C	+55	
Storage temperature			
min	°C	-40	

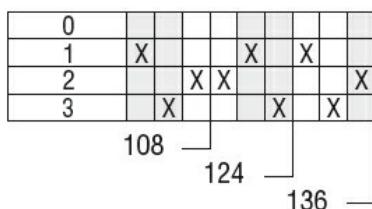
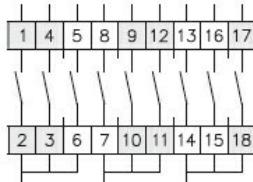
**Resistance & Protection**

Frontal IP degree	max °C	+70
Terminals IP degree		IP40
Dimensions		IP00



Series	L1		
	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

**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