

Product designation	Rotary cam switches	
Product type designation	7GN25	
<b>General characteristics</b>		
Switching diagram	69 - Changeover switch without 0 4 poles	
N° of elements	4	
Mounting form	U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing	
<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 25 UL/CSA A 30	
Rated operational voltage	V 480	
Rated operational impulse voltage	kV 4	
Maximum fuse size for short-circuit protection In (gG)	10kA A 25 15kA A 25 25kA A 25	
Rated short time current Icw	1s kA 400	
Conductivity	10/5 mA/V	
Operational current Ie 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 <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Mechanical life		cycles	5x10 <sup>6</sup>
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  ${}^{\circ}\text{C}$  -40  
 max  ${}^{\circ}\text{C}$  +70

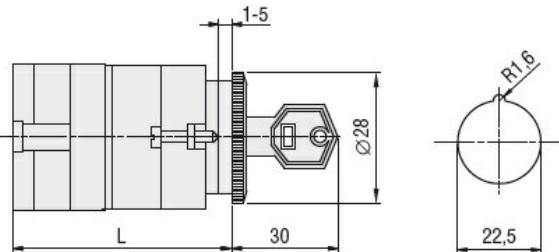
**Resistance & Protection**

Frontal IP degree

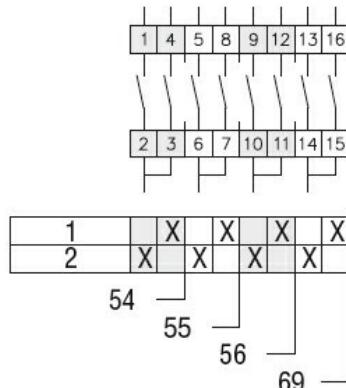
IP40

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