

Product designation				Rotary cam switches
Product type designation				7GN25
<b>General characteristics</b>				
Switching diagram				54 - Changeover switch without 0 1 pole
N° of elements				1
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
<b>Contact characteristics</b>				
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	A	400	
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		

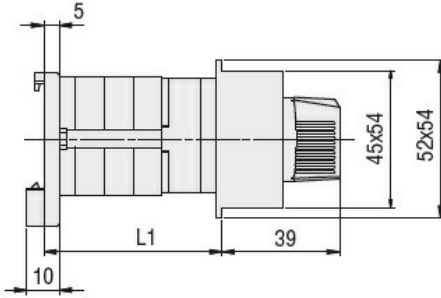
	220/230V	kW	3.7
	380/440V	kW	5.5
<b>Rated operational current in DC</b>			
DC21A			
	48V	A	25
	60V	A	25
	110V	A	4
	220V	A	0.7
<b>DC23A (poles in series)</b>			
	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
<b>DC13</b>			
	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
<b>Power dissipation</b>		W	1.1
<b>Mechanical features</b>			
<b>Terminals screw</b>			M3.5
<b>Tightening torque for terminals max</b>		Nm	0.8
<b>Conductor size</b>			
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
<b>Mechanical life</b>		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
<b>Motor power for direct-on-line control</b>			
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
<b>Ambient conditions</b>			
<b>Temperature</b>			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			

min	°C	-40
max	°C	+70

### Resistance & Protection

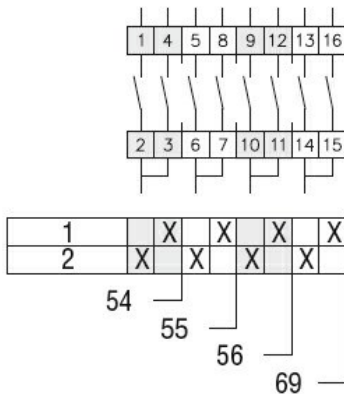
Frontal IP degree	IP40
Terminals IP degree	IP00

### Dimensions



Series	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