

Product designation				Rotary cam switches
Product type designation				7GN25
<b>General characteristics</b>				
Switching diagram				66 - Voltmeter switch for phase-neutral and phase-phase voltages
N° of elements				3
Mounting form				U47 - Snap on front mounting with black handle for hole diam. 22mm fixing
<b>Contact characteristics</b>				
Rated insulation voltage $U_i$		IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage $U_{imp}$				kV 6
Conventional free air thermal current $I_{th}$		IEC/EN UL/CSA	A A	25 30
Rated operational voltage				V 480
Rated operational impulse voltage				kV 4
Maximum fuse size for short-circuit protection $I_n$ (gG)		10kA 15kA 25kA	A A A	25 25 25
Rated short time current $I_{cw}$		1s	kA	400
Conductivity				10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		A	25
	AC15	110V 220/230V 380/400V 660/690V	A A A A	16 12 8 2
Rated operational power in AC	Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	5.5 7.5 7.5
	Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	1.5 3 5.5
	Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	6.5 11 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

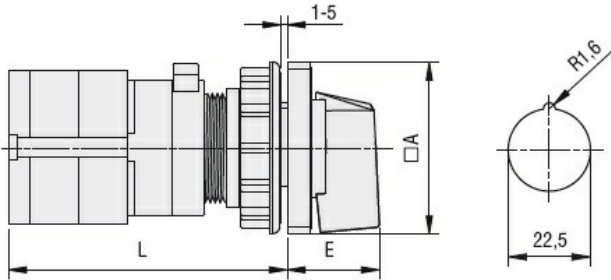
Storage temperature

min	°C	-40
max	°C	+70

**Resistance & Protection**

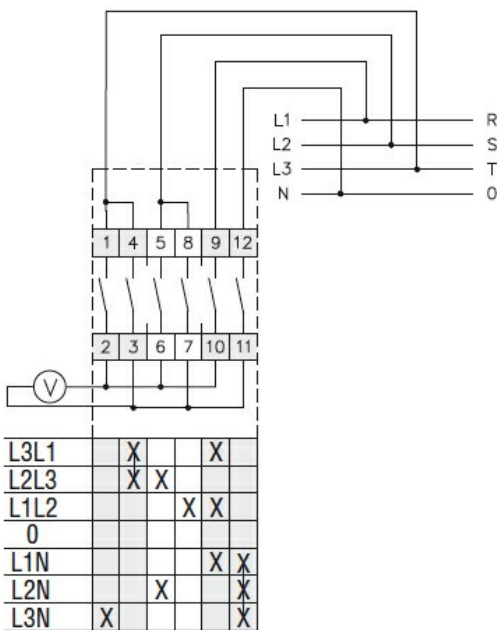
Frontal IP degree	IP40
Terminals IP degree	IP00

**Dimensions**



Series	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