

Product designation				Rotary cam switches	
Product type designation				7GN32	
<b>General characteristics</b>					
Switching diagram				66 - Voltmeter switch for phase-neutral and phase-phase voltages	
N° of elements				3	
Mounting form				O - Rear 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	32		
	UL/CSA	A	40		
Rated operational voltage			V	480	
Rated operational impulse voltage			kV	4	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	32		
	15kA	A	32		
	25kA	A	32		
	50kA	A	32		
Rated short time current $I_{cw}$	1s	kA	800		
				10/5 mA/V	
Conductivity				10/5 mA/V	
Operational current $I_e$ IEC/EN	AC1/AC21A			A	32
	AC15				
	110V	A	25		
	220/230V	A	20		
	380/400V	A	10		
	660/690V	A	2		
Rated operational power in AC	Three-phase AC-3				
	220/230V	kW	7.5		
	380/440V	kW	11		
	500/690V	kW	11		
Single-phase AC-3	110V	kW	2.2		
	220/230V	kW	4		
	380/440V	kW	6.5		
Three-phase AC23A	220/230V	kW	8		
	380/440V	kW	15		
	500/690V	kW	18.5		
Single-phase AC23A	110V	kW	2.2		

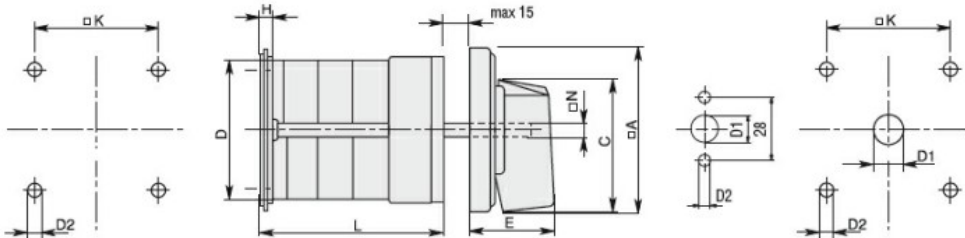
	220/230V	kW	4
	380/440V	kW	7.5
<b>Rated operational current in DC</b>			
DC21A			
	48V	A	32
	60V	A	32
	110V	A	6
	220V	A	0.9
<b>DC23A (poles in series)</b>			
	24V	A	32 (1)
	48V	A	32 (2)
	60V	A	32 (3)
	110V	A	15 (3)
	220V	A	12 (4)
<b>DC13</b>			
	24V	A	32
	48V	A	25
	60V	A	16
	110V	A	3
	220V	A	0.5
<b>Power dissipation</b>		W	1.5
<b>Mechanical features</b>			
<b>Terminals screw</b>			M4
<b>Tightening torque for terminals max</b>		Nm	1.2
<b>Conductor size</b>			
AWG - Rigid cable			
	min	AWG	16
	Max	AWG	8
AWG - Flexible cable			
	min	AWG	16
	Max	AWG	10
Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	4
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
<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	5
	240V	HP	10
	480V	HP	15
	600V	HP	15
for single-phase motor			
	120V	HP	2
	240V	HP	5
<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**

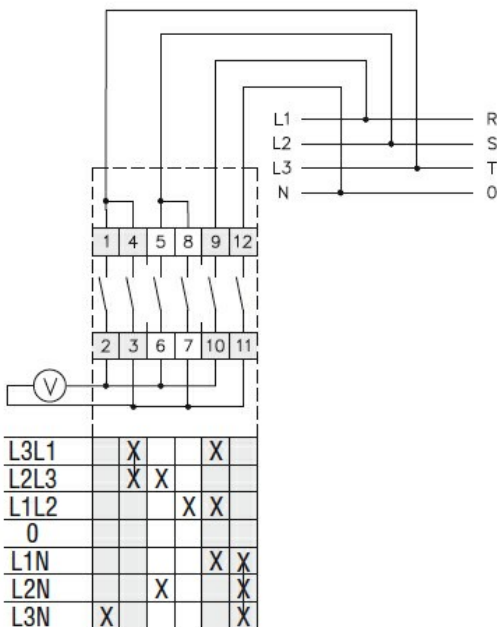
Frontal IP degree	IP40
Terminals IP degree	IP00

**Dimensions**



Series	Dimensions								L Number of elements											
	□A	C	ØD	ØD2	E	H	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

**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