

Product designation	Rotary cam switches
Product type designation	7GN32
General characteristics	
Switching diagram	56 - Changeover switch without 0 3 poles
N° of elements	3
Mounting form	O - Rear mounting with black handle
Contact characteristics	
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 32 UL/CSA A 40
Rated operational voltage	V 480
Rated operational impulse voltage	kV 4
Maximum fuse size for short-circuit protection In (gG)	10kA A 32 15kA A 32 25kA A 32 50kA A 32
Rated short time current Icw	1s kA 800
Conductivity	10/5 mA/V
Operational current Ie 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
Rated operational current in DC			
DC21A			
48V	A	32	
60V	A	32	
110V	A	6	
220V	A	0.9	
DC23A (poles in series)			
24V	A	32 (1)	
48V	A	32 (2)	
60V	A	32 (3)	
110V	A	15 (3)	
220V	A	12 (4)	
DC13			
24V	A	32	
48V	A	25	
60V	A	16	
110V	A	3	
220V	A	0.5	
Power dissipation		W	1.5
Mechanical features			
Terminals screw		M4	
Tightening torque for terminals max		Nm	1.2
Conductor size			
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 ²	1.5	
Max	mm ²	4	
Conductor size (IEC) - Rigid cable			
min	mm ²	1.5	
Max	mm ²	6	
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
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	
Ambient conditions			
Temperature			
Operating temperature			
min	°C	-25	
max	°C	+55	
Storage temperature			
min	°C	-40	

Resistance & Protection

Frontal IP degree

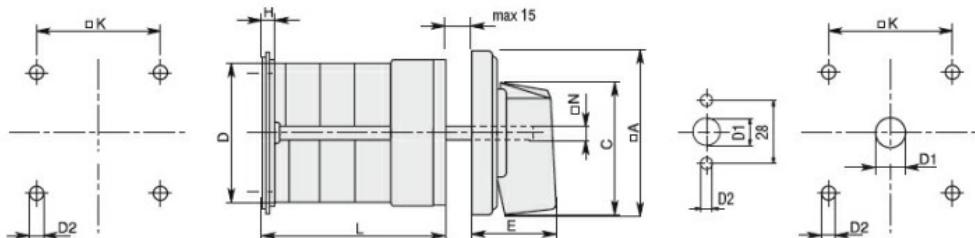
max °C +70

IP40

Terminals IP degree

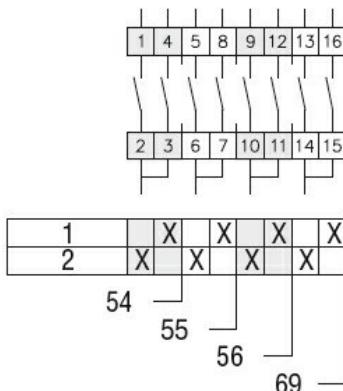
IP00

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