

Product designation				Rotary cam switches
Product type designation				7GN63
General characteristics				
Switching diagram				108 - Multi-step 0-1-2-3 1 pole
N° of elements				2
Mounting form				O - Rear mounting with black handle
Contact characteristics				
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	63	
	UL/CSA	A	60	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	63	
	15kA	A	63	
	25kA	A	63	
	50kA	A	63	
	63kA	A	63	
Rated short time current I_{cw}			1s	kA
				1600
Conductivity				10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A			A
				63
AC15	110V	A	32	
	220/230V	A	25	
	380/400V	A	15	
	660/690V	A	4	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	11	
	380/440V	kW	18.5	
	500/690V	kW	18.5	
	Single-phase AC-3			
	110V	kW	3.7	
	220/230V	kW	6.5	
	380/440V	kW	11.5	
	Three-phase AC23A			
	220/230V	kW	12.5	
	380/440V	kW	30	
	500/690V	kW	30	
Single-phase AC23A				
110V	kW	3.7		
220/230V	kW	7.5		

		380/440V	kW	12.5
Rated operational current in DC				
DC21A				
		48V	A	63
		60V	A	50
		110V	A	8
		220V	A	1
DC23A (poles in series)				
		24V	A	50 (1)
		48V	A	50 (2)
		60V	A	50 (3)
		110V	A	25 (3)
		220V	A	15 (4)
DC13				
		24V	A	63
		48V	A	40
		60V	A	28
		110V	A	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for terminals max			Nm	2
Conductor size				
AWG - Rigid cable				
	min	AWG		14
	Max	AWG		6
AWG - Flexible cable				
	min	AWG		14
	Max	AWG		8
Conductor size (IEC) - Flexible cable				
	min	mm ²		2.5
	Max	mm ²		10
Conductor size (IEC) - Rigid cable				
	min	mm ²		2.5
	Max	mm ²		16
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP		7.5
	240V	HP		15
	480V	HP		25
	600V	HP		25
for single-phase motor				
	120V	HP		3
	240V	HP		10
Ambient conditions				
Temperature				
Operating temperature				
	min	°C		-25
	max	°C		+55
Storage temperature				
	min	°C		-40
	max	°C		+70

Resistance & Protection

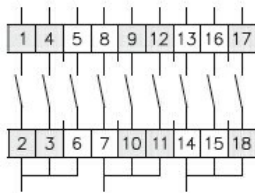
Frontal IP degree	IP40
Terminals IP degree	IP00

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



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1	X				X		X													
2			X	X																X
3		X					X		X											

108 —
124 —
136 —

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