

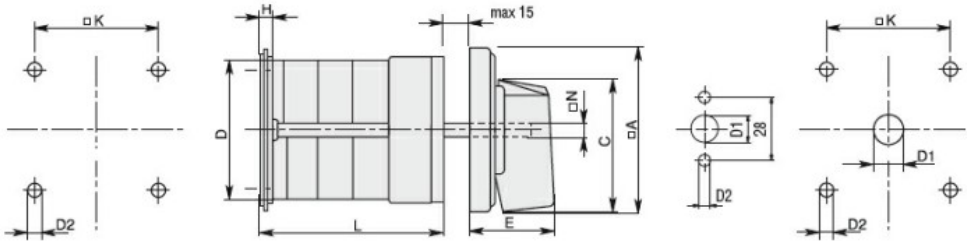
Product designation				Rotary cam switches
Product type designation				7GN63
General characteristics				
Switching diagram				86 - Multi-step 1-2-3 2 poles
N° of elements				3
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltage U_i	IEC/EN	V	690	
	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
			380/440V	kW
			500/690V	kW
				11
				18.5
				18.5
	Single-phase AC-3			
			110V	kW
			220/230V	kW
			380/440V	kW
				3.7
			6.5	
			11.5	
Three-phase AC23A				
		220/230V	kW	
		380/440V	kW	
		500/690V	kW	
			12.5	
			30	
			30	
Single-phase AC23A				
		110V	kW	
		220/230V	kW	
			3.7	
			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

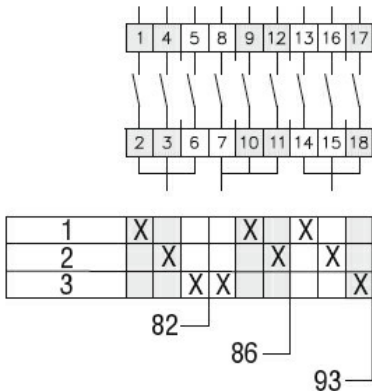
Frontal IP degree	IP40
Terminals IP degree	IP00

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



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