

## **7GN63690** ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 63A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

				Deterriser
Product designation				Rotary cam switches
Product type designation	n			7GN63
General characteristics				
Switching diagram				69 - Changeover switch without 0 4 poles
N° of elements				4
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan			kV	6
Conventional free air the	ermal current Ith			
		IEC/EN	A	63
		UL/CSA	<u>A</u>	60
Rated operational voltage			V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)	4.01-0	۸	<u></u>
		10kA 15kA	A A	63 63
		25kA	A	63
		20kA 50kA	A	63
		63kA	A	63
Rated short time curren	t Icw	00101		
		1s	kA	1600
Conductivity				10/5 mA/V
Operational current le II	EC/EN			
	AC1/AC21A			
			А	63
	AC15			
		110V	А	32
		220/230V	А	25
		380/400V	A	15
		660/690V	A	4
Rated operational powe				
	Three-phase AC-3	220/2201/	1.1.1/	4.4
		220/230V 380/440V	kW kW	11 18.5
		500/690V	kW	18.5
	Single-phase AC-3	300/090V	K V V	10.5
	oligio plase no o	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

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		380/440V	kW	12.5
Rated operational cu				
	DC21A	48V	А	63
		48V 60V	A	50
		110V	A	8
		220V	А	1
	DC23A (poles in series)			
		24V	А	50 (1)
		48V	А	50 (2)
		60V	A	50 (3)
		110V	A	25 (3)
		220V	A	15 (4)
	DC13	0.01/		00
		24V 48V	A	63 40
		40V 60V	A A	28
		110V	A	3.3
Power dissipation		1100	W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for	r 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			0.5
		min Max	mm² mm²	2.5 10
	Conductor size (IEC) - Rigid cable	IVIdX	111111	10
	Conductor size (IEC) - Rigid cable	min	mm²	2.5
		Max	mm²	16
Mechanical life		11100	cycles	5x10 <sup>6</sup>
UL technical data			.,	
Motor power for dire	ct-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
Ambient conditions		240V	HP	10
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature		-	
		min	°C	-40
		max	°C	+70

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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IP40 IP00

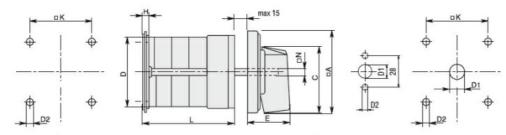
ENERGY AND AUTOMATION

# Resistance & Protection

Frontal IP degree

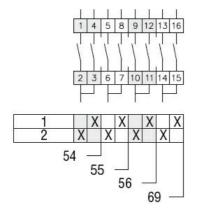
Terminals IP degree

Dimensions



Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	Е	Н	۵K	۵N	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			

	cCSAus
	EAC
	UL
IM classification	

### ETIM 8.0

EC001029 -Selector switch, complete

### FT