7GN1225O

ROTARY CAM SWITCH 7GN SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

General characteristics

Switching diagram			25 - 1-phase motor reversing switch with spring return
N° of elements			2
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	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A			
		A	16
AC15			
	110V	A	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC			
DC21A			

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		48V	A	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13			
		24V	A	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	$3x10^6$
UL technical data				
Motor power for direct-on-line control				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
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

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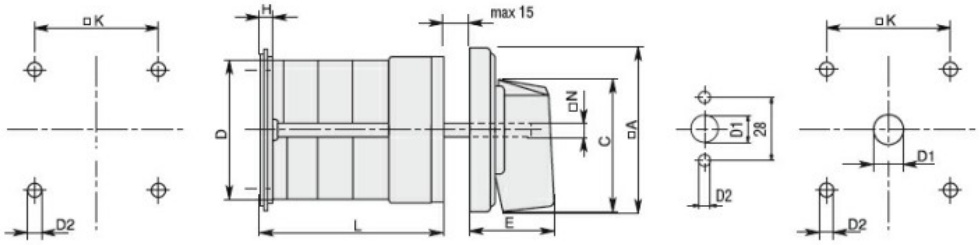
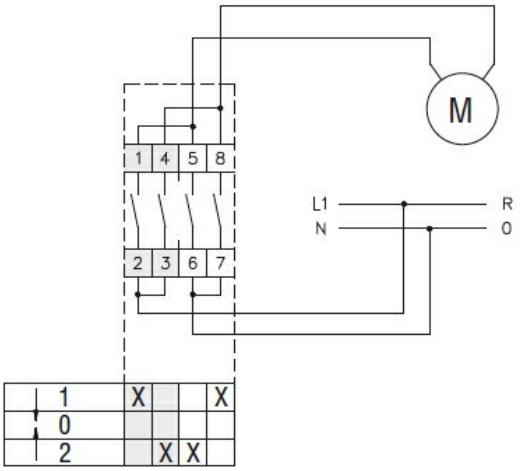
Terminals IP degree	IP00

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

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