

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation				Rotary cam switches
Product type designation General characteristics				7GN12
Switching diagram				55 - Changeover switch without 0 2 poles
N° of elements				2
Mounting form				P - Plastic enclosure with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar	·		kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	Α	16
		UL/CSA	Α	15
Rated operational volta			V	480
Rated operational impu	<u> </u>		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	16
		15kA	A	10
B + 1 1 + + + + + + + + + + + + + + + +		25kA	Α	10
Rated short time currer	nt ICW	1s	kA	200
Conductivity		15		10/5 mA/V
Operational current le	IEC/EN			10/3 111/4/ V
Operational current le	AC1/AC21A			
	AO I/AOZ IA		Α	16
	AC15			
	7.010	110V	Α	10
		220/230V	Α	8
		380/400V	Α	4
		660/690V	Α	1.5
Rated operational pow	er 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			2.2
		110V	kW	0.8
		220/230V	kW	1.7
Dated energtional access	ont in DC	380/440V	kW	3
Rated operational curre	HILIII DC			



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	D0044			
	DC21A	40\/	۸	40
		48V 60V	A	12 12
		110V	A	4
		220V	A	0.6
		220 V 440 V	A	0.25
	DC224 (nales in series)	440 V	Α	0.25
	DC23A (poles in series)	0.41/	۸	40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	Α	5 (4)
	DC13	0.41.7		4.0
		24V	A	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
-		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	rminals 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
		min Max	mm² mm²	
Mechanical life			mm²	2.5
Mechanical life UL technical data				
UL technical data	on-line control		mm²	2.5
			mm²	2.5
UL technical data	on-line control for three-phase motor	Max	mm² cycles	2.5 3x10 ⁶
UL technical data		Max 120V	mm² cycles	2.5 3x10 ⁶
UL technical data		120V 240V	mm² cycles HP HP	2.5 3x10 ⁶ 1.5 3
UL technical data		120V 240V 480V	mm² cycles HP HP HP	2.5 3x10 ⁶ 1.5 3 50
UL technical data	for three-phase motor	120V 240V	mm² cycles HP HP	2.5 3x10 ⁶ 1.5 3
UL technical data		120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40
UL technical data	for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40 0.5
UL technical data Motor power for direct-	for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40
UL technical data Motor power for direct-order Ambient conditions	for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40 0.5
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40 0.5
UL technical data Motor power for direct-order Ambient conditions	for three-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40 0.5 1
UL technical data Motor power for direct-order Ambient conditions	for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40 0.5 1
UL technical data Motor power for direct-order Ambient conditions	for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40 0.5 1
UL technical data Motor power for direct-order Ambient conditions	for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	2.5 3x10 ⁶ 1.5 3 50 40 0.5 1



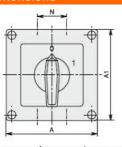
ENERGY AND AUTOMATION

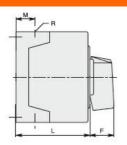
Terminals IP degree

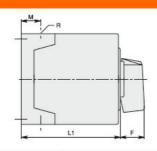
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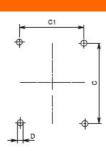
Resistance & Protection	
Frontal IP degree	IP65

Dimensions









max

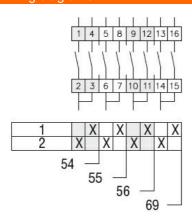
°C

+70

IP00

Series	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	00.000		0.000	100000	10000000	2000	100000				200000000000000000000000000000000000000	
7GN25]	1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1-2	3 - 4			3.550				31-3-3				300000000000000000000000000000000000000	31-30.3-3-17
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8							1	-				
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	90.4	00	4.5	32	21	39.5	05.5	119.5	417621	11.00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40		1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	11-00
7GN125		1	2												
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63]	1 - 3	4 - 6	100	204	120	190	5.5	32	35	76	121	1/5	2xPG11	11.00
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification



7GN1255P

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ETIM 8.0

EC001029 -Selector switch, complete