



## ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 1 POLE 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			51 - Changeover switch 1 pole
N° of elements			1
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			Diagramana.
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	150/51		
	IEC/EN UL/CSA	A	16 15
Rated operational voltage	UL/C5A	A V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		ic v	'
(30)	10kA	Α	16
	15kA	Α	10
	25kA	Α	10
Rated short time current lcw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	16
AC15			10
A013	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
Single-phase AC-3	500/690V	kW	5.5
Sillyle-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
Rated operational current in DC	380/440V	kW	3





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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)	0.41.7	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 <sup>6</sup>
UL technical data		Max 120V	mm² cycles	2.5 3x10 <sup>6</sup>
UL technical data		120V 240V	mm² cycles  HP HP	2.5 3x10 <sup>6</sup> 1.5 3
UL technical data		120V 240V 480V	mm² cycles  HP HP HP	2.5 3x10 <sup>6</sup> 1.5 3 50
UL technical data	for three-phase motor	120V 240V	mm² cycles  HP HP	2.5 3x10 <sup>6</sup> 1.5 3
UL technical data		120V 240V 480V 600V	mm² cycles  HP HP HP HP	2.5 3x10 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 1.5 3 50 40  0.5 1



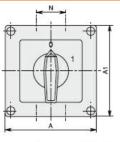
**ENERGY AND AUTOMATION** 

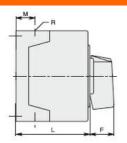
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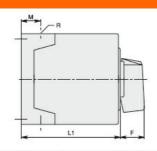
max °C +70

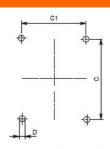
	 •	
Resistance & Protection		
Frontal IP degree		IP65
Terminals IP degree		IP00

### Dimensions



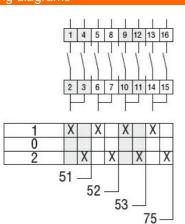






Series	Enclosure	Enclosure Number of elements			Dimensions								Cable	Protection	
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	0.000		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					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	417421	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



#### 7GN1251P

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ETIM 8.0

EC001029 -Selector switch, complete