# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE



Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			44 0 1
Switching diagram			11 - 3-phase motor reversing switch
N° of elements			3
Mounting form			P - Plastic enclosure 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	150/5N		0.5
	IEC/EN	A	25
Dated aparational voltage	UL/CSA	A V	30 480
Rated operational voltage  Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		K V	4
Maximum ruse size for short elecut protection in (go)	10kA	Α	25
	15kA	A	25
	25kA	Α	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	A	8
Dated anarational neuron in AC	660/690V	Α	2
Rated operational power in AC Three-phase AC-3			
Tillee-pilase AC-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/440V	kW	7.5
Single-phase AC-3			
3 1 1	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			



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		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			_
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational curr	rent in DC	000/1101	1000	0.0
rtated operational curi	DC21A			
	DCZTA	40)/	۸	0.5
		48V	A	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	A	12 (3)
	B040	220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation		2201	W	1.1
Mechanical features			VV	1.1
				N/O 5
Terminals screw				M3.5
Tightening torque for t	erminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
	AVVO TICAIDIC GADIC	min	A1A/C	20
		min Mov	AWG	20
	0 1 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
	<del>.</del>	min	mm²	0.5
		Max	mm²	4
Mechanical life		Max	mm²	4 5x10 <sup>6</sup>
Mechanical life		Max	mm² cycles	5x10 <sup>6</sup>
UL technical data	on line central	Max		
		Max		
UL technical data	t-on-line control for three-phase motor		cycles	5x10 <sup>6</sup>
UL technical data		120V	cycles	5x10 <sup>6</sup>
UL technical data			cycles	5x10 <sup>6</sup>
UL technical data		120V	cycles	5x10 <sup>6</sup>
UL technical data		120V 240V	cycles HP	5x10 <sup>6</sup> 3 5
UL technical data	for three-phase motor	120V 240V 480V	Cycles  HP HP HP	3 5 10
UL technical data		120V 240V 480V 600V	HP HP HP HP	5x10 <sup>6</sup> 3 5 10 15
UL technical data	for three-phase motor	120V 240V 480V 600V	HP HP HP HP	5x10 <sup>6</sup> 3 5 10 15
UL technical data	for three-phase motor	120V 240V 480V 600V	HP HP HP HP	5x10 <sup>6</sup> 3 5 10 15



**ENERGY AND AUTOMATION** 

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### Temperature

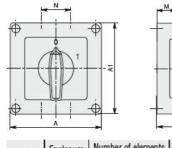
Operating temperature

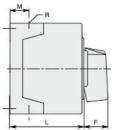
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

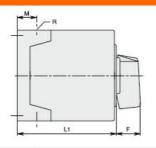
### Resistance & Protection

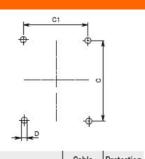
Frontal IP degree IP65
Terminals IP degree IP00

#### Dimensions







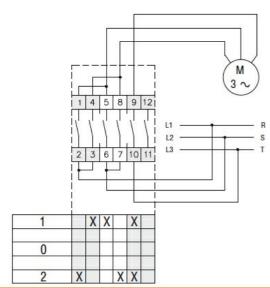


Comina	Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
Series		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6			0.000	100000	10000000	2000	100000	4000			200000000000000000000000000000000000000	100000000000000000000000000000000000000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4							33-2-5					31-32-34-2
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												
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	30.4	00	4.5	32	21	39.5	00.0	113.5	4/1/021	11 05
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	175	140	112	3.3	32	21	00	04.3	110.3	2xPG11	11.02
7GN125		1	2								a a		e e		
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	1 - 3	4 - 6	100	234	120	190	5.5	32	33	10	121	1/3	2xPG11	11.00
7GN125		1-2	3 - 4												

Wiring diagrams



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### Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch