

# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation				Enclosed rotary cam switch	
Product type designati	on			7GN25	
General characteristics					
Switching diagram			56 - Changeover switch without 0 3 poles		
N° of elements				3	
Mounting form				P - Plastic enclosure with black handle	
Contact characteristics	;				
Rated insulation voltag	e Ui				
		IEC/EN	V	690	
		UL/CSA	V	600	
Rated impulse withstar	nd voltage Uimp		kV	6	
Conventional free air th	nermal current Ith				
		IEC/EN	Α	25	
		UL/CSA	Α	30	
Rated operational volta	age		V	480	
Rated operational impo	ulse voltage		kV	4	
Maximum fuse size for	short-circuit protection In (gG)				
		10kA	Α	25	
		15kA	Α	25	
		25kA	Α	25	
Rated short time curre	nt Icw				
		1s	Α	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	Α	8	
		660/690V	Α	2	
Rated operational pow	er in AC				
	Three-phase AC-3				
		220/230V	kW	5.5	
		380/440V	kW	7.5	
		500/690V	kW	7.5	
	Single-phase AC-3				
		110V	kW	1.5	
		220/230V	kW	3	
		380/440V	kW	5.5	
	Three-phase AC23A				
	•	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	

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Mechanical features					
ABV	Rated operational cu	urrent in DC			
BOV		DC21A			
110V				Α	
DC23A (poles in series)					
DC23A (poles in series)					
24V			220V	Α	0.7
ABV		DC23A (poles in series)	201		07 (4)
BOUY					
1100					
DC13					
DC13					
24V		DC13	220 V		10 (4)
ABV		D013	24\/	Α	25
Conductor size (IEC) - Flexible cable   Max					
110V					
Province   150   1.1					
Power dissipation   W   1.1					
Machanical features	Power dissipation			W	
AWG - Rigid cable	Mechanical features				
AWG - Rigid cable    Max	Terminals screw				M3.5
AWG - Rigid cable    min		r terminals max		Nm	0.8
Max   AWG   20   Max   AWG   10   AWG   Flexible cable	Conductor size				
Max AWG 10   AWG - Flexible cable     min AWG 20   Max AWG 12   Max AWG 12   Max AWG 12   Max Mm² 4   Max Max Max Max Max Ma		AWG - Rigid cable			
AWG - Flexible cable    min   AWG   20     Max   AWG   12     Conductor size (IEC) - Flexible cable   min   mm²   0.5     Max   mm²   4     Conductor size (IEC) - Rigid cable   min   mm²   0.5     Max   mm²   4     Conductor size (IEC) - Rigid cable   min   mm²   0.5     Max   mm²   4     Mechanical life   cycles   5x10°     JL technical data   Motor power for direct-on-line control     for three-phase motor   120V   HP   3     240V   HP   5     480V   HP   10     600V   HP   15     for single-phase motor     120V   HP   1.5     240V   HP   3     240V   HP   3     Ambient conditions   Temperature   min   °C   -25     max   °C   +55     Storage temperature   min   °C   -40					
Max			Max	AWG	10
Max		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable					
Max min mm² 0.5   Max mm² 4   Max mm² 4		One division size (IEO). Flavible cable	Max	AWG	12
Max mm² 4   Max mm² 4		Conductor size (IEC) - Flexible cable		· 2	0.5
Conductor size (IEC) - Rigid cable					
Max   min   mm²   0.5   Max   mm²   4   Mechanical life   cycles   5x106		Conductor size (IEC) - Pigid cable	IVIAX	111111	4
Mechanical life cycles 5x10°    Max mm² 4     Mechanical life cycles 5x10°   Motor power for direct-on-line control for three-phase motor		Conductor Size (IEC) - Nigid cable	min	mm²	0.5
Mechanical life         cycles         5x106           JL technical data           Motor power for direct-on-line control           for three-phase motor         120V         HP         3           240V         HP         5         480V         HP         10           600V         HP         15         15         120V         HP         1.5         240V         HP         3         3           Ambient conditions           Temperature         Operating temperature         min         °C         -25         max         °C         +55           Storage temperature         min         °C         -40					
## Discrete Control    Motor power for direct-on-line control   120V	Mechanical life		IVICA		
Motor power for direct-on-line control  for three-phase motor    120V				0,0.00	0,710
for three-phase motor    120V		ct-on-line control			
120V	•				
240V		•	120V	HP	3
600V   HP   15			240V	HP	
for single-phase motor  120V HP 1.5 240V HP 3  Ambient conditions  Temperature  Operating temperature  min °C -25 max °C +55  Storage temperature  min °C -40					
120V			600V	HP	15
240V HP 3   Ambient conditions   Temperature		for single-phase motor			
Ambient conditions  Temperature  Operating temperature  min °C -25 max °C +55  Storage temperature  min °C -40					
Temperature           Operating temperature         min °C -25 max °C +55           Storage temperature         min °C -40			240V	HP	3
Operating temperature  min °C -25 max °C +55  Storage temperature  min °C -40					
min °C -25 max °C +55  Storage temperature min °C -40	l emperature				
Storage temperature  max °C +55  min °C -40		Operating temperature		2.2	0.5
Storage temperature  min °C -40					
min °C -40		01	max	,C	+55
		Storage temperature		°C	40
max C +/0					
			IIIdX	C	+/U



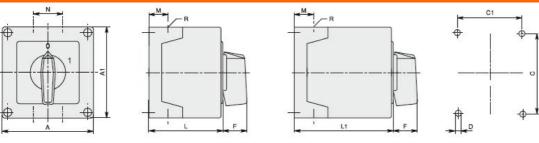
**ENERGY AND AUTOMATION** 

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### Resistance & Protection

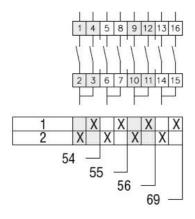
Frontal IP degree IP65
Terminals IP degree IP00

#### **Dimensions**



Series	Enclosure	Number o	f elements	Dimensions					all c	Cable	Protection				
Selles	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20		1-2	3 - 4												
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20		1-3	4 - 6												
7GN25		1-2	3 - 4												
7GN32		1-2	3 - 4												
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8		110	98.4		4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110			83								
7GN32		1-3	4 - 5	110											
7GN40	1	1 - 2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN40		1 - 2	3 - 4												
7GN63		1 - 2	3 - 4	123	173										
7GN125		1	2												
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	22	32 35	76	121	175	4xPG29 2xPG11	IP65
7GN63		1 - 3	4 - 6	100	234				32						
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



#### 7GN2556P

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**ETIM 8.0** 

EC001029 -Selector switch, complete