

## **7GN12507P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

Product designation				Enclosed rotary cam switch
Product type designation				7GN125
General characteristics				
Switching diagram				07 - ON/OFF switch 3 poles
N° of elements				2
Mounting form				P - Plastic enclosure with
Mounting form				black handle
Contact characteristics				
Rated insulation voltage U	i			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand v	oltage Uimp		kV	6
Conventional free air thern	nal current Ith			
		IEC/EN	А	125
		UL/CSA	A	130
Rated operational voltage			V	690
Rated operational impulse			kV	6
Maximum fuse size for she	ort-circuit protection In (gG)	4.01-0	٨	405
		10kA 15kA	A A	125 100
		25kA	A	100
		23kA 50kA	A	100
		63kA	A	100
Rated short time current lo	ŚW	00101		100
		1s	kA	2100
Conductivity				10/5 mA/V
Operational current le IEC	/EN			
A	C1/AC21A			
			А	125
A	C15			
		110V	А	40
		220/230V	А	28
		380/400V	A	15
	10	660/690V	Α	5
Rated operational power in				
11	nree-phase AC-3	220/230V	L/\//	19 5
		220/230V 380/440V	kW kW	18.5 37
		500/690V	kW	33
Si	ngle-phase AC-3	300/030 V		00
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
TI	nree-phase AC23A			
	-	220/230V	kW	30
		380/440V	kW	45
_		500/690V	kW	37
Si	ngle-phase AC23A			
		110V	kW	5
		220/230V	kW	11

ENERGY AND AUTOMATION

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	380/440V	kW	15
Rated operational current in DC			
DC21A			
	48V	А	125
	60V	А	80
	110V	А	10
	220V	А	1.2
DC23A (poles in series)			
	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
DC13	<b>6</b> (1) (		
	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
Power dissipation		W	6.3
Mechanical features			
Terminals screw		<u> </u>	M2X5
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable	_		
	min	AWG	14
	Max	AWG	1/0
AWG - Flexible cable			
	min	AWG	14
	Max	AWG	1/0
Conductor size (IEC) - Flexible cable			
	min	mm²	2.5
	Max	mm²	50
Conductor size (IEC) - Rigid cable			
	min	mm²	2.5
	Max	mm²	50
Mechanical life		cycles	1X10 <sup>6</sup>
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	15
	240V	HP	25
	480V	HP	50
	600V	HP	40
for single-phase motor			
	120V	HP	5
	240V	HP	15
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C ℃	-40 +70

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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IP65 IP00

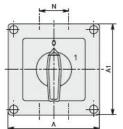
ENERGY AND AUTOMATION

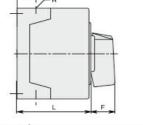
## Resistance & Protection

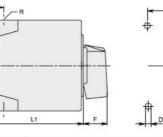
Frontal IP degree

## Terminals IP degree

Dimensions

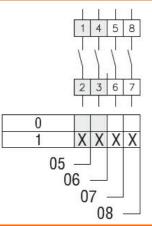






Carries	Series Enclosure Number of elements			Dimensions								Cable	Protection		
	size	L	L1	Α	A1	С	C1	D	F	М	N	L	L1	entry	Protection degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6					100000-00		102203					
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												
7GN40		1	2 - 3												
7GN12	110x110	1-4	5 - 8	-	-										
7GN20		1-4	5 - 8	1											
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	03	4.5	32	21	39.5	00.0	119.5	47.5021	IF00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												
7GN40	2	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	125	175	140	112	5.5	32	21	00	04.3	110.5	2xPG11	1600
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	160	204	120	190	0.5	32	30	10	121	1/5	2xPG11	1600
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

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ETIM 8.0

EC001029 -Selector switch, complete