

**ENERGY AND AUTOMATION** 

# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

Product designation Product type designation	on			Rotary cam switches 7GN125
General characteristics				7 611128
Switching diagram				75 - Changeover switch 4 poles
N° of elements				4
Mounting form				P - Plastic enclosure with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN V UL/CSA V kV  IEC/EN A UL/CSA A V kV  10kA A 15kA A 25kA A 50kA A 63kA A 63kA A  1s kA  1s kA  220/230V A 380/400V A 660/690V A A 660/690V kW  110V kW 220/230V kW 380/440V kW 500/690V kW		690 600
Rated impulse withstan	d voltage Uimp		kV	6
Conventional free air th	ermal current Ith			
			Α	125
		UL/CSA		130
Rated operational volta				690
Rated operational impu			kV	6
Maximum fuse size for	short-circuit protection In (gG)			
				125
				100
				100
				100 100
Rated short time currer	at low	DSKA	A	100
Nateu Short time currer	It ICW	1e	kΔ	2100
Conductivity		13	IV-1	10/5 mA/V
Operational current le I	FC/FN			10/0 11// ( )
Operational current le l	AC1/AC21A			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Α	125
	AC15			
		110V	Α	40
				28
		380/400V	Α	15
		660/690V	Α	5
Rated operational power	er in AC			
	Three-phase AC-3			
			kW	18.5
				37
		500/690V	kW	33
	Single-phase AC-3			_
				5
				11
	Three phase AC22A	360/4401	KVV	15
	Three-phase AC23A	22U/23U//	<i>۱</i> ۸۸	30
				45
				37
	Single-phase AC23A	300/030 V	IXVV	
	5gio pilaco / 1020/1	110V	kW	5
		220/230V	kW	11



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		380/440V	kW	15
Rated operational curr	ent in DC	000/440 \$	1000	10
	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)			
		24V	Α	125 (1)
		48V	Α	125 (2)
		60V	Α	125 (3)
		110V	A	50 (3)
	D040	220V	Α	20 (4)
	DC13	241/	۸	105
		24V 48V	A A	125 100
		60V	A	50
		110V	A	4
Power dissipation		1100	W	6.3
Mechanical features			v v	
Terminals screw				M2X5
Tightening torque for to	erminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	3	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	on line central			
Motor power for direct-	for three-phase motor			
	ioi uiiee-piiase iiiotoi	120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor			
	<b>3</b> - 1	120V	HP	5
		240V	HP	15
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

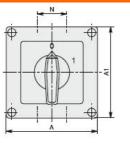
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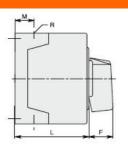
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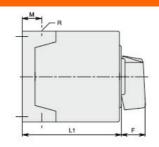
## Resistance & Protection

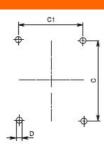
Frontal IP degree IP65
Terminals IP degree IP00

#### **Dimensions**



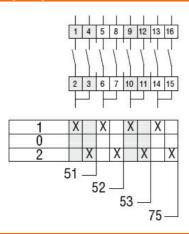






	Enclosure	Number o	f elements	elements Dimensions				***	***	Cable	Protection				
	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	94,000	1000	0000	10000	9800000	46250	10000	1000		1000000	2000 1211 2010 2010	1000000000
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												
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	4.0	02		00.0	00.0	110.0	TAI GET	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	120	170	140	1112	0.0	02		00	04.0	110.0	2xPG11	11 00
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40	1	1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63	1	1 - 3	4 - 6	.50	234	.20		0.0	52	50		,,,,,		2xPG11	50
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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### 7GN12575P

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ETIM 8.0

EC001029 -Selector switch, complete