

7GN125108P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 1 POLE 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

				Enclosed rotary
Product designation				cam switch
Product type designati				7GN125
General characteristics	3			
Switching diagram				108 - Multi-step 0-1-2-3 1 pole
N° of elements				2
				P - Plastic
Mounting form				enclosure with black handle
Contact characteristics				
Rated insulation voltag				
-		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	А	125
		UL/CSA	Α	130
Rated operational volta			V	690
Rated operational impu			kV	6
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	125
		15kA	Α	100
		25kA	A	100
		50kA	A	100
Datad ab art time a surray	et leur	63kA	A	100
Rated short time current	nt ICW	1s	kA	2100
Conductivity		15	KA.	10/5 mA/V
Operational current le	IEC/EN			
Operational current le	AC1/AC21A			
			А	125
	AC15			120
		110V	А	40
		220/230V	A	28
		380/400V	А	15
		660/690V	А	5
Rated operational pow	er in AC			
	Three-phase AC-3			
		220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
	Three-phase AC23A	000/000)/	1.147	00
		220/230V	kW	30
		380/440V	kW kW	45 37
	Single-phase AC23A	500/690V	kW	37
	Single-phase AUZSA	110V	kW	5
		220/230V	kW	5 11
		220/2001	11.00	

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ENERGY AND AUTOMATION

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		380/440V	kW	15
Rated operational cu	rrent in DC	300/4401		10
•	DC21A			
		48V	А	125
		60V	А	80
		110V	А	10
		220V	А	1.2
	DC23A (poles in series)			
		24V	А	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V	А	50 (3)
		220V	A	20 (4)
	DC13			
		24V	A	125
		48V	A	100
		60V	A	50
<u> </u>		110V	<u>A</u>	4
Power dissipation			W	6.3
Mechanical features				MOYE
Terminals screw			Nine	M2X5
Tightening torque for Conductor size	terminals max		Nm	2
Conductor size	AWC Divid apple			
	AWG - Rigid cable	min	AWG	14
		min Max	AWG	1/0
	AWG - Flexible cable	IVIdX	AWG	1/0
	AWG - Flexible cable	min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	IVIDA	700	1/0
		min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable	max		00
		min	mm²	2.5
		Max	mm²	50
Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for dire	ct-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
		max	°C	+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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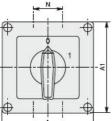
ENERGY AND AUTOMATION

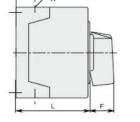
Resistance & Protection

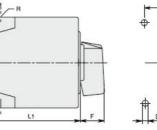
Frontal IP degree

Terminals IP degree

Dimensions



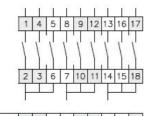


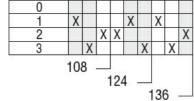


IP65 IP00

Series Enclosure size Number of elements Jumber of elements Dimensions Cable Protectic degree Protectic degree 76N12 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 75 75 50 64 4.5 19 14 28 57.5 79.8 4xPG13.5 IP65 7GN20 1-3 4-6 76 79.8 4.6 76.9 4.5 19 30 71.3 98.3 4xPG16 IP65 7GN20 1-2 3-4 90 90 79 63 4.5 25 19 30 71.3 98.3 4xPG16 IP65 7GN20 1-2 3-4 10 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 7GN20 1-2 3-4 110 <			÷ ·	+			F	-		L1		F		∠ P	-ф'	Ł
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN25 1 2 - 3	7GN12	75x75	1-2	3 - 4												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
TGN20 1-3 4-6 90 90 79 63 4.5 25 19 30 71.3 98.3 4xPG16 IP65 TGN32 TGN32 1-2 3-4 90 90 79 63 4.5 25 19 30 71.3 98.3 4xPG16 IP65 TGN32 10x110 1-4 5-8 76 1-3 4-5 76 76 12 30.5 85.5 119.5 4xPG16 IP65 TGN20 1-3 4-5 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 TGN32 1-2 3-4 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 TGN32 125x175 1-3 4-5 125 175 146 112 5.5 32 21 68 84.3 118.3 4xP																
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7GN40 1 2 - 3	-				90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
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7GN20 1 - 4 5 - 8 110 10 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 7GN20 1 - 2 3 - 5 1 - 2 3 - 5 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 7GN32 1 - 2 3 - 4 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 7GN32 125x175 1 - 3 4 - 5 125 175 146 112 5.5 32 21 68 84.3 118.3 4xPG21 2xPG11 IP65 7GN32 180x254 1 - 5 6 - 8 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 IP65 7GN32 1 - 3 4 - 6 180 254 120 190 5.5 32 35 76			I.													
TGN25 TGN32 TGN32 TGN40 TGN63 1 - 3 4 - 5 1 - 2 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 TGN32 TGN30 1 - 2 3 - 4 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 TGN32 1 - 2 3 - 4 125 175 146 112 5.5 32 21 68 84.3 118.3 4xPG21 2xPG11 IP65 TGN32 180x254 1 - 5 6 - 8 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 IP65 TGN32 180x254 1 - 5 6 - 8 180 254 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 IP65		110x110														
TGN32 7GN40 7GN40 7GN63 1-3 4-5 1-2 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 7GN32 7GN32 1-2 3-4 110 110 98.4 83 4.5 32 21 39.5 85.5 119.5 4xPG21 IP65 7GN32 125x175 1-3 4-5 125 175 146 112 5.5 32 21 68 84.3 118.3 4xPG21 2xPG11 IP65 7GN32 180x254 1-5 6-8 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 IP65 7GN32 180x254 1-5 6-8 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 IP65																
7GN32 1 - 3 4 - 5 7GN40 1 - 2 3 - 4 7GN32 125x175 1 - 3 4 - 5 7GN40 1 - 2 3 - 4 7GN32 125x175 1 - 3 4 - 5 7GN40 1 - 2 3 - 4 7GN40 1 - 2 3 - 4 7GN40 1 - 2 3 - 4 7GN53 1 - 2 3 - 4 1 - 2 3 - 4 125 7GN53 1 - 2 3 - 4 7GN32 180x254 1 - 5 6 - 8 7GN32 180x254 1 - 5 6 - 8 7GN40 1 - 4 5 - 7 7GN63 1 - 3 4 - 6					110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
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 1P65 7GN32 1 2 1 68 84.3 118.3 4xPG21 2xPG11 1P65 7GN32 180x254 1 - 5 6 - 8 68 1 - 4 5 - 7 180 254 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 1P65																
7GN40 1 - 2 3 - 4 125 175 146 112 5.5 32 21 68 84.3 118.3 4xPG21 2xPG11 IP65 7GN32 1 2 1 5.5 32 21 68 84.3 118.3 4xPG21 2xPG11 IP65 7GN32 180x254 1 - 5 6 - 8 6 8 1	-															ļ
7GN63 7GN125 1 - 2 3 - 4 125 175 146 112 5.5 32 21 68 84.3 118.3 2xPG11 IP65 7GN32 180x254 1 - 5 6 - 8 1 - 4 5 - 7 180 254 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 IP65		125x175														
7GN03 1 - 2 3 - 4 2xPG11 7GN125 1 2					125	175	146	112	5.5	32	21	68	84.3	118.3		IP65
7GN32 180x254 1-5 6-8 7GN40 1-4 5-7 180 254 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 1P65					616112611	1000000									ZXPGTT	- 100 A
7GN40 1 - 4 5 - 7 180 254 120 190 5.5 32 35 76 121 175 4xPG29 2xPG11 IP65			L													
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		4			180	254	120	190	5.5	32	35	76	121	175		IP65
/uni25 1-2 5-4															275.011	
		<u> </u>	1-2	5-4							ļ		ļ	ļ		ļ

Wiring diagrams





Certifications and compliance

Compliance

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	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