

7GN12584P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN125
General characteristics			
Switching diagram			84 - Multi-step 1- 2-3-4-5 1 pole
N° of elements			3
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			black Handle
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			
	IEC/EN	A	125
Deted energianal valtage	UL/CSA	A V	130
Rated operational voltage Rated operational impulse voltage		kV	<u>690</u> 6
Maximum fuse size for short-circuit protection In (gG)		ĸv	0
Maximum ruse size for short-circuit protection in (gO)	10kA	А	125
	15kA	A	100
	25kA	А	100
	50kA	А	100
	63kA	А	100
Rated short time current Icw			
	1s	kA	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	125
AC15		A	125
A013	110V	А	40
	220/230V	A	28
	380/400V	А	15
	660/690V	А	5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	18.5
	380/440V	kW	37
Single phase AC 2	500/690V	kW	33
Single-phase AC-3	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
Three-phase AC23A			
·	220/230V	kW	30
	380/440V	kW	45
	500/690V	kW	37
Single-phase AC23A			
	110V	kW	5
	220/230V	kW	11

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		380/440V	kW	15
Rated operational cur				
	DC21A			
		48V	Α	125
		60V	A	80
		110V	A	10
		220V	A	1.2
	DC23A (poles in series)	0.417	•	
		24V	A	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V 220V	A A	50 (3) 20 (4)
	DC12	2200	A	20 (4)
	DC13	0414	^	405
		24V 48V	A	125 100
		48V 60V	A	
		60V 110V	A	50 4
Power dissipation		TIUV	A W	4 6.3
Mechanical features			VV	0.3
Terminals screw				M2X5
Tightening torque for	terminals may		Nm	2
Conductor size				2
	AWG - Rigid cable			
	AWG - Nigid Cable	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	Max	700	1/0
		min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	Max	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		marc	cycles	1X10 ⁶
UL technical data			0)0100	
Motor power for direc	t-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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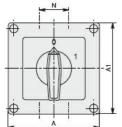
ENERGY AND AUTOMATION

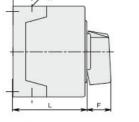
Resistance & Protection

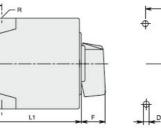
Frontal IP degree

Terminals IP degree

Dimensions







IP65 IP00

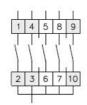
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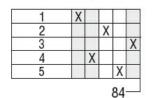
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Series Enclosure Number of element				Dimensions									Cable	Protection	
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25	1	1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6												
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	10000		0.000									
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	90.4	03	4.5	32	21	39.5	00.0	119.5	47.5621	1600
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	110.2	4xPG21	IP65
7GN63]	1 - 2	3 - 4	125	1/5	140	112	5.5	32	21	00	04.3	118.3	2xPG11	IP00
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	180	204	120	190	5.5	32	35	76	121	1/5	2xPG11	1602
7GN125	1	1-2	3 - 4												

Wiring diagrams





Certifications and cor	npliance	
Compliance		
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete

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