

ENERGY AND AUTOMATION



		Enclosed rotary
Product designation		cam switch
Product type designation		7GN125
General characteristics		
Switching diagram		10 - ON/OFF switch 3 poles
N° of elements		2
Mounting form		P25 - Plastic enclosure with
Contact characteristics		red/yellow handle
Contact characteristics		
Rated insulation voltage Ui	:/EN V	690
	CSA V	
	<u> </u>	
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith	KV	U
	:/EN A	125
	CSA A	
Rated operational voltage	V V	
Rated operational impulse voltage	v k\	
Maximum fuse size for short-circuit protection In (gG)	, , ,	<u> </u>
	0kA A	125
	5kA A	
	5kA A	
	ioka A	
	3kA A	
Rated short time current lcw		
	1s kA	A 2100
Conductivity		10/5 mA/V
Operational current le IEC/EN		
AC1/AC21A		
	А	125
AC15		
	10V A	40
220/2	30V A	. 28
380/4	00V A	15
660/6	90V A	5
Rated operational power in AC		
Three-phase AC-3		
220/2		
380/4		
500/6	90V kV	V 33
Single-phase AC-3		
	10V kV	
220/2		
380/4	40V kV	V 15



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electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 125A IN PLASTIC ENCLOSURE 180X254MM WITH RED/YELLOW HANDLE

Three-phase AC23A					
Single-phase AC23A		Three-phase AC23A			
Solide-phase AC23A					
Single-phase AC23A			380/440V	kW	45
110V KW 5 220/230V KW 11 380/340V KW 15 15 15 15 15 15 15 1			500/690V	kW	37
Rated operational current in DC DC21A		Single-phase AC23A			_
Rated operational current in DC DC21A			110V	kW	5
Rated operational current in DC DC21A 48V			220/230V	kW	11
DC21A			380/440V	kW	15
DC21A	Rated operational curre	ent in DC			
Boy		DC21A			
Boy			48V	Α	125
110V			60V		
DC23A (poles in series)					
DC23A (poles in series)					
A		DC23A (noles in series)			
ABV		2020/ (poloc iii oolloo)	24\/	Δ	125 (1)
Max Max					
110V					
DC13					
DC13					
Power dissipation		DO40	220 V	A	20 (4)
A		DC13	0.41/	Δ.	405
Power dissipation					
Power dissipation W 6.3 W 6.3 Mechanical features W Me					
Power dissipation W 6.3					
Mechanical features			110V		
Terminals screw M2X5 Tightening torque for terminals max Nm 2				W	6.3
Tightening torque for terminals max					
AWG - Rigid cable					
AWG - Rigid cable min Max AWG 14 Max AWG 1/0	Tightening torque for te	erminals max		Nm	2
Max	Conductor size				
Max AWG 1/0		AWG - Rigid cable			
AWG - Flexible cable min AWG 14 Max AWG 1/0			min	AWG	14
Max AWG 14 Max AWG 1/0			Max	AWG	1/0
Max AWG 1/0		AWG - Flexible cable			
Max AWG 1/0			min	AWG	14
Conductor size (IEC) - Flexible cable					
Max mm² 2.5 Max mm² 50		Conductor size (IEC) - Flexible cable			
Max mm² 50		(10)	min	mm²	2.5
Conductor size (IEC) - Rigid cable					
min Max mm² mm² mm² mm² 50 2.5 mm² 50 Mechanical life cycles 1X10 ⁶ UL technical data Motor power for direct-on-line control 120V HP 15 240V HP 25 480V HP 50 600V HP 40 for single-phase motor 120V HP 5 240V HP 15		Conductor size (IEC) - Rigid cable	IVIUX	.,,,,,,	
Mechanical life cycles 1X10 ⁶ UL technical data Motor power for direct-on-line control 120V HP 15 240V HP 25 480V HP 50 600V HP 40 for single-phase motor 120V HP 5 240V HP 15		Conductor Size (IEO) Trigid Gable	min	mm²	2.5
Mechanical life cycles 1X10 ⁶ UL technical data Motor power for direct-on-line control 120V HP 15 240V HP 25 480V HP 50 600V HP 40 for single-phase motor 120V HP 5 240V HP 15					
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	Machanical life		IVIAA		
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				Cycles	17/10
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 5 240V HP 5 240V HP 5		an line control			
120V HP 15 240V HP 25 480V HP 50 600V HP 40 for single-phase motor 120V HP 5 240V HP 5 240V HP 5	wotor power for direct-				
240V HP 25 480V HP 50 600V HP 40 for single-phase motor 120V HP 5 240V HP 15		for three-phase motor	4001/	LID	4.5
480V HP 50 600V HP 40 for single-phase motor 120V HP 5 240V HP 15					
600V HP 40 for single-phase motor 120V HP 5 240V HP 15					
for single-phase motor 120V HP 5 240V HP 15					
120V HP 5 			600V	HP	40
240V HP 15		for single-phase motor			
Ambient conditions			240V	HP	15
	Ambient conditions				

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Temperature

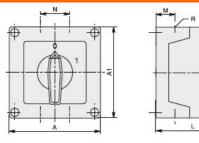
Operating temperature

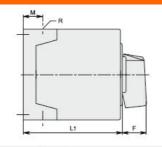
	min	°C	-25	
	max	°C	+55	
Storage temperature				,
	min	°C	-40	
	max	°C	+70	

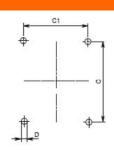
Resistance & Protection

Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



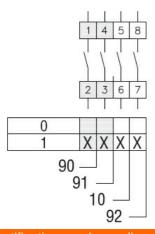




Series	Enclosure	Number o	f elements	Dimensions						0)	Cable	Protection			
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6				00000							1907 TO SO AN AND SO	0.0000000000000000000000000000000000000
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			3,593		1.00.000		50555		0.00000000		31-11-7-02000000	20000000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20	and the societation of	1-4	5 - 8												
7GN25	1	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	96.4	83	4.5	32	21	39.5	80.0	119.5	4XPG21	IPOD
7GN40	1	1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												-
7GN40	200100000000000000000000000000000000000	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	1102	4xPG21	IP65
7GN63		1 - 2	3 - 4	125	1/5	140	112	5.5	32	21	00	04.3	118.3	2xPG11	1200
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		32	35	76	101	175	4xPG29	IDec
7GN63]	1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
7GN125		1 - 2	3 - 4	×											

functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN12510P25

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IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete