

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Enclosed rotary Product designation cam switch Product type designation 7GN12 General characteristics 08 - ON/OFF Switching diagram switch 4 poles N° of elements 2 P - Plastic Mounting form enclosure with black handle Contact characteristics Rated insulation voltage Ui IEC/EN 690 ٧ UL/CSA ٧ 600 Rated impulse withstand voltage Uimp k۷ 6 Conventional free air thermal current Ith IEC/EN Α 16 UL/CSA Α 15 Rated operational voltage ٧ 480 kV Rated operational impulse voltage 4 Maximum fuse size for short-circuit protection In (gG) 10kA Α 16 15kA Α 10 25kA Α 10 Rated short time current Icw 200 Α 1s Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A 16 AC15 110V Α 10 220/230V Α 8 380/400V Α 4 660/690V Α 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3 Rated operational current in DC



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Machanical life		DC21A			
Bell		DOZIA	48\/	Δ	12
1100					
Part					
Mechanical life					
DC23A (poles in series)					
A		DC23A (poles in series)			
A		,	24V	Α	10 (1)
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Con			48V	Α	
DC13			60V	Α	
DC13			110V	Α	5 (3)
Part			220V	Α	5 (4)
ABV		DC13			
Conductor size (IEC) - Flexible cable Max				Α	12
110V					
Power dissipation W 0.8					
Mechanical features				Α	
Power dissipation W 0.8 Mechanical features				Α	
Mechanical features			440V		
Terminals screw M3 Tightening torque for terminals max Nm 0.5				W	0.8
Tightening torque for terminals max					
AWG - Rigid cable					
AWG - Rigid cable		erminals max		Nm	0.5
AWG - Flexible cable	Conductor size				
AWG - Flexible cable		AWG - Rigid cable			
AWG - Flexible cable min					
Max AWG 20 Max AWG 14 Max AWG 20 Max		ANNO EL TIL	Max	AWG	12
Max AWG 14 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Max m²		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable					
Max min mm² 0.5 Max mm² 2.5		0 (1	IVIax	AWG	14
Max mm² 2.5		Conductor size (IEC) - Flexible cable			0.5
Conductor size (IEC) - Rigid cable					
Mechanical life mm² mm² dy dechanical life 0.5 mm² dy dechanical life UL technical data Motor power for direct-on-line control 120V HP 1.5 240V HP 3 3 for single-phase motor 120V HP 0.5 240V HP 1 1 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40		Conductor size (IEC) Digid coble	IVIAX	mm-	2.5
Mechanical life cycles 3x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70		Conductor size (IEC) - Rigid Cable	min	mm²	0.5
Mechanical life cycles 3x106 UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70					
Motor power for direct-on-line control	Machanical life		IVIAX		
Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 240V HP 1 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70				Cycles	3210
for three-phase motor 120V		on-line control			
120V					
240V HP 3		The same production of	120V	HP	1.5
For single-phase motor					
120V		for single-phase motor			
Ambient conditions		3 1 3 3	120V	HP	0.5
Operating temperature					
Operating temperature min	Ambient conditions				
min °C -25 max °C +55 Storage temperature min °C -40 max °C +70	Temperature				
Storage temperature min °C -40 max °C +70		Operating temperature			
Storage temperature min °C -40 max °C +70			min	°C	-25
min °C -40 max °C +70			max	°C	+55
max °C +70		Storage temperature			
			min		-40
Resistance & Protection			max	°C	+70
	Resistance & Protection	on			



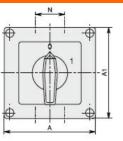
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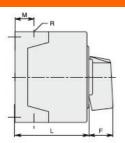
ENERGY AND AUTOMATION

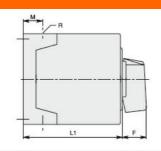
Frontal IP degree IP65

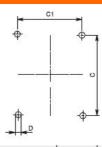
Terminals IP degree IP00

Dimensions



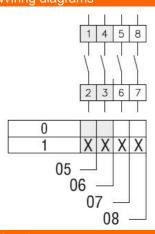






Series	Enclosure size	Number o	f elements	Dimensions						Cable	Protection				
		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	0.000	190000					20000		10.27000000			A 4000000000
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												270
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	03	4.5	32	21	39.3	00.0	119.5	47.021	11.02
7GN40		1 - 2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												6.5
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	173	140	112	0.0	32	21	00	04.0	110.5	2xPG11	11 00
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	100	234	120	130	0.0	02	- 55	,,,	121	1/3	2xPG11	11 00
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

ETIM 8.0

EC001029 -Selector switch, complete