# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 1 POLE 63A IN PLASTIC ENCLOSURE 125X176MM WITH BLACK HANDLE

**Enclosed rotary** Product designation cam switch 7GN63 Product type designation General characteristics 107 - Multi-step Switching diagram 0-1-2 1 pole N° of elements P - Plastic Mounting form enclosure with black handle Contact characteristics Rated insulation voltage Ui IEC/EN 690 V **UL/CSA** V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN Α 63 UL/CSA Α 60 Rated operational voltage 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA Α 63 15kA Α 63 25kA Α 63 50kA 63 Α 63kA 63 Α Rated short time current Icw 1600 1s kΑ Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A Α 63 AC15 110V Α 32 220/230V Α 25 380/400V Α 15 4 660/690V Α Rated operational power in AC Three-phase AC-3 220/230V kW 11 kW 380/440V 18.5 500/690V kW 18.5 Single-phase AC-3 kW 3.7 110V 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A

Single-phase AC23A

220/230V

380/440V

500/690V

220/230V

110V

kW

kW

kW

kW

kW

12.5

30

30

3.7

7.5



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Rated operational current in DC   DC21A   A					
DC21A			380/440V	kW	12.5
Marchanical life	Rated operational cur	rent in DC			
Marchanical life		DC21A			
Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Con			48V	Α	63
1100					
DC23A (poles in series)   24V					
DC23A (poles in series)					
Part			220V	A	
A 8V		DC23A (poles in series)			
Solidar   Soli			24V	Α	50 (1)
Solidar   Soli			48V	Α	
1100					
DC13					
DC13					
Power dissipation			2200	A	15 (4)
A		DC13			
Power dissipation			24V	Α	63
Power dissipation			48V	Α	40
Name					
Power dissipation   W   3.4					
Mechanical features	Device disciplination		1100		
Temminals screw   M5   Tightening torque for terminals max   Nm   2				VV	3.4
AWG - Rigid cable					
AWG - Rigid cable	Terminals screw				M5
AWG - Rigid cable	Tightening torque for	terminals max		Nm	2
AWG - Rigid cable					
AWG - Flexible cable	Conductor Size	AMC Digid cable			
AWG - Flexible cable   AWG - Flexible cable		AVVG - Rigid Cable		41440	4.4
AWG - Flexible cable					
Max AWG   14   Max AWG   8			Max	AWG	6
Max AWG 8   Conductor size (IEC) - Flexible cable   min mm² 2.5   Max mm² 10   Max mm² 10   Max mm² 10   Max mm² 16   Ma		AWG - Flexible cable			
Max AWG 8   Conductor size (IEC) - Flexible cable   min mm² 2.5   Max mm² 10   Max mm² 10   Max mm² 10   Max mm² 16   Ma			min	AWG	14
Conductor size (IEC) - Flexible cable					
Max min mm² 2.5   Max mm² 10		Conductor size (IEC) Flevible cable	Wich	71110	
Max mm² 10   Conductor size (IEC) - Rigid cable   min mm² 2.5   max mm² 16   mm² 1		Conductor Size (IEC) - Flexible cable		2	0.5
Conductor size (IEC) - Rigid cable					
Mechanical life         min Max         mm² mm² mm²         2.5 mm²         16           Mechanical life         cycles         5x10°           UL technical data           Motor power for direct-on-line control           for three-phase motor         120V         HP         7.5         240V         HP         15         480V         HP         25         600V         HP         25         600V         HP         25         120V         HP         3         240V         HP         3         240V         HP         10         Ambient conditions         Temperature         min °C         -25         25			Max	mm²	10
Mechanical life         cycles         5x10 <sup>6</sup> UL technical data           Motor power for direct-on-line control           120V HP 7.5           240V HP 15         480V HP 25           600V HP 25         600V HP 25           for single-phase motor           120V HP 3           240V HP 10           Ambient conditions           Temperature           Operating temperature           min °C -25           max °C +55           Storage temperature		Conductor size (IEC) - Rigid cable			
Mechanical life         cycles         5x10 <sup>6</sup> UL technical data           Motor power for direct-on-line control           120V HP 7.5           240V HP 15         480V HP 25           600V HP 25         600V HP 25           for single-phase motor           120V HP 3           240V HP 10           Ambient conditions           Temperature           Operating temperature           min °C -25           max °C +55           Storage temperature			min	mm²	2.5
Mechanical life         cycles         5x106           UL technical data           Motor power for direct-on-line control           for three-phase motor         120V         HP         7.5           240V         HP         15           480V         HP         25           600V         HP         25           for single-phase motor         120V         HP         3           240V         HP         10           Ambient conditions           Temperature           min         °C         -25           max         °C         +55           Storage temperature           min         °C         -40					
Motor power for direct-on-line control	Mechanical life				
Motor power for direct-on-line control         for three-phase motor       120V       HP       7.5         240V       HP       15         480V       HP       25         600V       HP       25         for single-phase motor         120V       HP       3         240V       HP       10         Ambient conditions         Temperature         Operating temperature         min       °C       -25         max       °C       +55         Storage temperature				Cyclcs	3710
for three-phase motor    120V					
120V	iviotor power for direc				
240V		for three-phase motor			
240V			120V	HP	7.5
A80V HP 25   600V HP 25				HP	
600V   HP   25					
To single-phase motor   120V					
120V		fan almala mhaas seetes	0007	ПГ	۷.
Ambient conditions		tor single-phase motor			
Ambient conditions  Temperature  Operating temperature  min °C -25 max °C +55  Storage temperature  min °C -40					
Operating temperature			240V	HP	10
Operating temperature	Ambient conditions				
Operating temperature  min °C -25 max °C +55  Storage temperature  min °C -40					
min °C -25 max °C +55  Storage temperature min °C -40	· omporatoro	Operating temperature			
Storage temperature  max °C +55  min °C -40		Operating temperature		0.0	0.5
Storage temperature min °C -40					
min °C -40			max	°C	+55
min °C -40		Storage temperature			
			min	°C	-40
max C 170					
			max		•

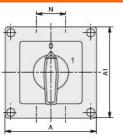
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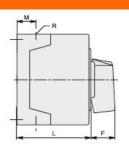
ENERGY AND AUTOMATION

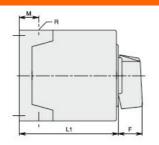
## Resistance & Protection

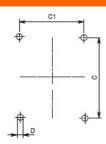
Frontal IP degree IP65
Terminals IP degree IP00

#### Dimensions



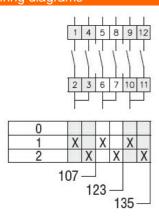






Series	Enclosure	Number o	f elements	Dimensions						Cable	Protection				
	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	2000	1000	0000	10000	182000-0	45254	10000	V 5000		1000000	200 12 12 12 12 12 12 12	100000000000000000000000000000000000000
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	4.5	02	"	00.0	00.0	113.5	TAIGET	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	OL.		"	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 - 3	4 - 6	,50	254	.20	.50	0.0	J.	50		,21		2xPG11	30
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





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