

# ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5-6, 1 POLE 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			85 - Multi-step 1- 2-3-4-6 1 pole
N° of elements			3
Mounting form			U - Front mounting with black handle
Contact characteristics			black Hariale
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	25
Rated operational voltage	UL/CSA	A V	30 480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		K V	4
Maximum rase size for short chear protection in (ge)	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current lcw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	25
AC15	440)/		40
	110V 220/230V	A	16 12
	380/400V	A A	8
	660/690V	A	2
Rated operational power in AC	000/030 V		
Three-phase AC-3			
, -	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
	110V	kW	1.5
	220/230V	kW	3
There where ACCOA	380/440V	kW	5.5
Three-phase AC23A	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A	330,000 V		
5 7	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5





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DC21A					
Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Conduc		DC21A	40)/		0.5
1100					
DC23A (poles in series)					
DC23A (poles in series)					
A		DC22A (polos in corios)	220V	A	0.7
ABV   A   25 (2)   A   10 (4)   A   12 (3)   A   12 (3)   A   10 (4)   A   10 (4)		DC23A (poles in series)	24\/	۸	25 (1)
100					
Marchanical life					
DC13					
DC13					
Rechanical life		DC13			
Mechanical life			24V	Α	25
Power dissipation					
Power dissipation			60V	Α	
Power dissipation   Work   W					
Power dissipation   W					
Mechanical features	Power dissipation				
Mathematics					
AWG - Rigid cable	Terminals screw				M3.5
AWG - Rigid cable	Tightening torque for te	rminals max		Nm	0.8
Max	Conductor size				_
Max AWG 10   AWG - Flexible cable		AWG - Rigid cable			
AWG - Flexible cable			min	AWG	20
Max AWG 20   Max AWG 12   Max Mm² 4   Max Mm² 4			Max	AWG	10
Max AWG   12		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable			min	AWG	20
Max   min   mm²   0.5   Max   mm²   4			Max	AWG	12
Max   mm²   4		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable					
Mechanical life			Max	mm²	4
Max mm² 4           Mechanical life         cycles         5x106           UL technical data           Motor power for direct-on-line control           for three-phase motor         120V HP 3         240V HP 5         480V HP 10         600V HP 15         600V HP 15         600V HP 1.5         240V HP 3         Ambient conditions           Temperature         min °C -25         -25         min °C -55         Storage temperature           Storage temperature         min °C -40         -40         -40         min °C -40         -40 <td></td> <td>Conductor size (IEC) - Rigid cable</td> <td></td> <td></td> <td></td>		Conductor size (IEC) - Rigid cable			
Mechanical life         cycles         5x106           UL technical data           Motor power for direct-on-line control           for three-phase motor         120V         HP         3           240V         HP         10         600V         HP         15           for single-phase motor         120V         HP         1.5         240V         HP         3           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			Max		
Motor power for direct-on-line control         for three-phase motor       120V       HP       3         240V       HP       5       480V       HP       10         600V       HP       15       15         for single-phase motor       120V       HP       1.5         240V       HP       3    Ambient conditions Temperature         Operating temperature       min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70				cycles	5x10 <sup>6</sup>
for three-phase motor    120V					
120V	Motor power for direct-				
240V		tor three-phase motor	40017	LID	0
A80V HP 10   HP 15					
600V   HP   15					
To single-phase motor					
120V		for single phase mater	0000		10
Ambient conditions		ioi single-phase motol	120\/	ЫD	1.5
Ambient conditions					
Operating temperature	Ambient conditions		∠ <del>4</del> ∪ ۷	i II	
Operating temperature         min °C -25 max °C +55           Storage temperature         min °C -40 max °C +70					
min °C -25 max °C +55  Storage temperature  min °C -40 max °C +70	· omporatoro	Operating temperature			
max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70		Sportaing temperature	min	°C	-25
Storage temperature  min °C -40  max °C +70					
min °C -40 max °C +70		Storage temperature	max		
max °C +70			min	°C	-40
	Resistance & Protectio	n			

**IP40** 

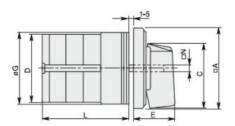


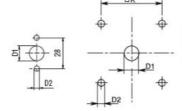
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**ENERGY AND AUTOMATION** 

Frontal IP degree Terminals IP degree IP00

#### Dimensions

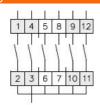




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Corios	Dimensions							L Number of elements													
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

### Wiring diagrams



Λ				
	Χ			
			X	
X			9	
		Χ		
				χ
	X	X	X	XXX

### Certifications and compliance

#### Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

### Certificates

cCSAus

EAC

UL

#### ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete