

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			75 - Changeover switch 4 poles
N° of elements			4
Mounting form			U - Front mounting with black handle
Contact characteristics			Diagn Hariare
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	150/51		
	IEC/EN UL/CSA	A	25 30
Rated operational voltage	UL/CSA	A V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	<u> </u>
maximum race of the chert should protestion 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		۸	25
AC15		Α	25
ACTS	110V	Α	16
	220/230V	A	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
Cingle phase AC 2	500/690V	kW	7.5
Single-phase AC-3	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A	200701		
·	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A			
	110V	kW	1.5
	220/230V	kW	3.7
Rated operational current in DC	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 Max Mm² 4 Max M			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 -40 -40 -40 -60 -25 <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 ⁶
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	חר	10
Ambient conditions		ioi single-phase motol	120\/	ЫD	1.5
Ambient conditions					
Operating temperature	Ambient conditions		∠ 4 ∪ 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			



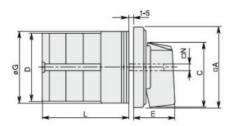
ENERGY AND AUTOMATION

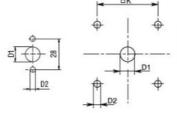
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Frontal IP degree IP40

Terminals IP degree IP00

Dimensions

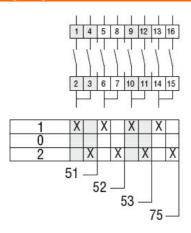




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions								L Number of elements												
	□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



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

EC001105 - Offload switch