# electric ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			92 - ON/OFF
			switch 4 poles
N° of elements			2
Mounting form			O - Rear mounting with black handle
Contact characteristics			
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	Α	25
Data Lanca Caralla Maria	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	٨	25
	15kA	A A	25 25
	25kA	A	25
Rated short time current Icw	ZOKA		20
Talog Short amo sarront low	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
Pote Louisian and AQ	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	000/0001	12177	<i>E E</i>
	220/230V 380/440V	kW kW	5.5 7.5
	500/690V	kW	7.5 7.5
Single-phase AC-3	300/030 V	IVVV	1.0
Olligie pliase 70-0	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			
·	220/230V	kW	6.5



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		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
	Gingle prices / ie=s/.	110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational curr	rent in DC	000/440 <b>V</b>	1000	0.0
rated operational our	DC21A			
	DOZIA	48V	Α	25
		60V	A	25
		110V	A	4
		220V	A	0.7
	DC22A (polos in serios)	2200	Α	0.7
	DC23A (poles in series)	241/	۸	OF (4)
		24V	A	25 (1)
		48V	A	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for to	erminals max		Nm	0.8
Tightening torque for to Conductor size	erminals max		Nm	0.8
			Nm	0.8
	erminals max  AWG - Rigid cable	min	Nm AWG	20
		min Max		
			AWG	20
	AWG - Rigid cable	Max	AWG AWG	20 10
	AWG - Rigid cable	Max min	AWG AWG	20 10 20
	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	20 10
	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	20 10 20 12
	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	20 10 20 12 0.5
	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	20 10 20 12
	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	20 10 20 12 0.5 4
	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	20 10 20 12 0.5 4
Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	20 10 20 12 0.5 4
Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	20 10 20 12 0.5 4
Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	20 10 20 12 0.5 4
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Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	20 10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
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Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	20 10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	20 10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
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Mechanical life UL technical data Motor power for direct	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	20 10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
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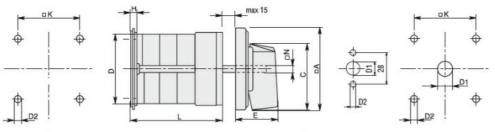
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## Operating temperature

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

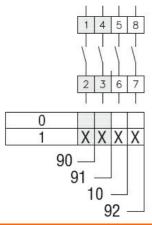
	max	_	
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

#### **Dimensions**



Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	Е	Н	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	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



## 7GN2592O

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WITH BLACK HANDLE, FRONT PLATE 48X48MM

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete