

# ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 25A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			98 - Ammeter switch
N° of elements			3
			O - Rear
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	OLICOA	kV	6
Conventional free air thermal current Ith		i v	
Conventional mode an allerman darron lan	IEC/EN	Α	25
	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	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current Icw			
	1s	kA	400
Conductivity  Operational surrent to IEC/EN			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
ACI/ACZIA		Α	25
AC15			20
7.010	110V	Α	16
	220/230V	Α	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
Single 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	330/ T T O V		<u> </u>
55 p625/	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
	380/440V	kW	5.5



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	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	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 te	rminals max		Nm	0.8
Conductor size				
00110000101010	AWG - Rigid cable			
	Title Tilgia dabid	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	IVICA	71110	10
	AWG TICAIDIC GADIC	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIOX	7,1110	12
	Conductor size (ILO) - Flexible cable	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	IVICA	111111	
	Conductor Size (IEO) - Migid Cable	min	mm²	0.5
		Max	mm²	4
Mechanical life		IVIAA		5x10 <sup>6</sup>
UL technical data			cycles	3810
	on line control			
Motor power for direct-				
	for three-phase motor	120V	HP	2
		120V 240V	HP HP	3 5
		240 V 480 V	HP	5 10
		480 V 600 V	HP HP	15
	for single phase mater	0000	ПГ	10
	for single-phase motor	120V	HP	1.5
		120V 240V	HP HP	3
Ambient conditions		24U V		J
Temperature	Operating temperature			
	Operating temperature	me!:=	°C	25
		min	°C	-25
	Character to the property and	max	°C	+55
	Storage temperature	•	0.0	40
		min	°C	-40
Desistance & But of	<u></u>	max	°C	+70
Resistance & Protectio				

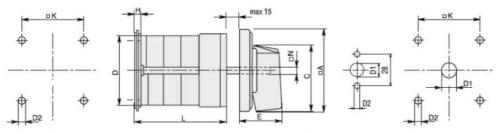
**ENERGY AND AUTOMATION** 

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Frontal IP degree IP40

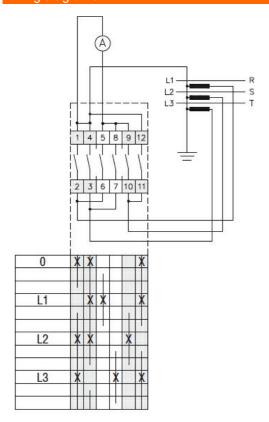
Terminals IP degree IP00

#### **Dimensions**



Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	Е	Ξ	□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



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#### 7GN2598O

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	UL60947-4-1							
Certificates								
	cCSAus							
	EAC							
	UL							

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete