

# 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			97 - Ammeter switch
N° of elements			5
			O - Rear
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	JEO/EN	.,	000
	IEC/EN	V	690
Detection and a with stead and refer as I live	UL/CSA	V	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		kV	6
Conventional nee all thermal current Ith	IEC/EN	Α	25
	UL/CSA	A	30
Rated operational voltage	OLICSA		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		11. V	
maximam race size for chert should protection in (90)	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current Icw			
	1s	Α	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15			
	110V	Α	16
	220/230V	A	12
	380/400V 660/690V	A	8
Rated operational power in AC	000/0907	Α	2
Three-phase AC-3			
Tillee-pilase AC-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5 7.5
Single-phase AC-3	333,3331		-
3 - 1	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			
	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			
		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				
	AWG - Rigid cable			
	The tage of tage o	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
	Titre Tierible Gable	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable		7	
	Solidation of the (120) Thomas date	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			·
	Trigid dabid	min	mm²	0.5
		Max	mm²	4
Mechanical life		IVIOX	cycles	5x10 <sup>6</sup>
UL technical data			Oyolos	OXTO
Motor power for direct-	on-line control			
wotor power for direct t	for three-phase motor			
	Tot till do priddo friotol	120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor	300 V		
	ioi oiligio priado motor	120V	HP	1.5
		240V	HP	3
Ambient conditions		Z+0 V	1 11	3
Temperature				
romporature	Operating temperature			
	Operating temperature	min	°C	-25
		max	°C	-25 +55
	Storage temperature	max	U	ਰਹ
	Storage temperature	min	°C	-40
		min	°C	-40 +70
Resistance & Protectio	n	max	C	TIU
Resistance & Protectio				

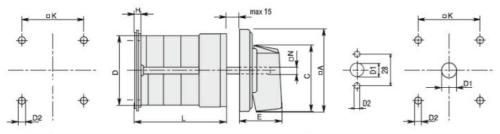
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Frontal IP degree IP40

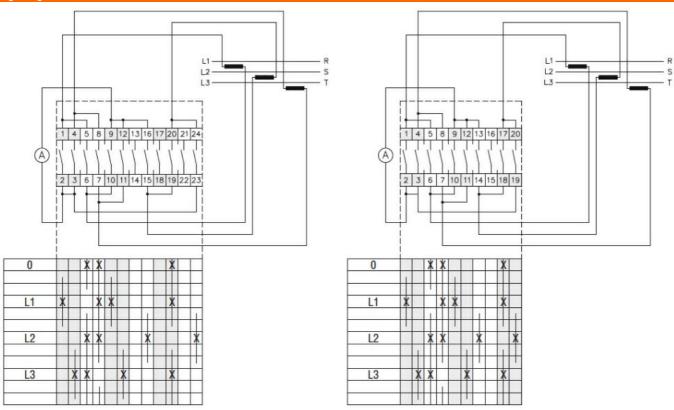
Terminals IP degree IP00

#### **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

UL60947-4-1



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### 7GN2597O

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classifica	tion	
ETIM O O		EC001029 -

ETIM 8.0

Selector switch, complete