

ROTARY CAM SWITCH 7GN SERIES, AMMETER SWITCH 16A, MODULAR SERVICE COVER FOR 35MM DIN REALL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam
_	i			switches
Product type designat General characteristic				7GN12
Switching diagram	-			97 - Ammeter switch
N° of elements				5 SWITCH
- Or Gromonic				O48 - Modular
				service cover for
Mounting form				35mm din rail
				mounting with black handle
Contact characteristics	5			DIACK HAITGIE
Rated insulation voltage				
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air t	hermal current Ith		-	
		IEC/EN	A	16
Data dan anatian al calt		UL/CSA	A	15
Rated operational volt			V	480
Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG)			kV	4
Waximam rase size to	i short diredit protection in (ge)	10kA	Α	16
		15kA	Α	10
		25kA	Α	10
Rated short time curre	ent Icw			
		1s	Α	200
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A		Α	16
	AC15			10
	AOTO	110V	Α	10
		220/230V	Α	8
		380/400V	Α	4
		660/690V	Α	1.5
Rated operational pow				
	Three-phase AC-3		. ,	
		220/230V	kW	2.5
		380/440V 500/690V	kW kW	4 5.5
	Single-phase AC-3	500/090V	V A A	J.J
	Single prides no o	110V	kW	0.8
		220/230V	kW	1.5
		380/440V	kW	2.2
	Three-phase AC23A			
		220/230V	kW	3
		380/440V	kW	5.5
	Oir als absect A OCCA	500/690V	kW	7.5
	Single-phase AC23A	4401/	12///	0.8
		110V 220/230V	kW kW	0.8 1.7
		220/230V	IV V V	1.7



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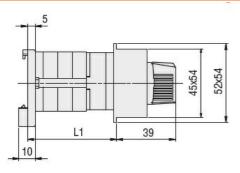
		380/440V	kW	3
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	10 (1)
		48V	Α	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	Α	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.5
Conductor size				
0011000101 0120	AWG - Rigid cable			
	7.VV C Trigita dabie	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Wax	71110	12
	AVVG - Flexible Cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
	One dustancias (IEO). Divid cable	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	·	ma 15 = 2	0.5
		min	mm²	0.5 2.5
		R # -		/ h
Maabaalaaliifi		Max	mm²	
Mechanical life		Max	mm² cycles	3x10 ⁶
UL technical data		Max		
		Max		
UL technical data	-on-line control for three-phase motor		cycles	3x10 ⁶
UL technical data		120V	cycles	3x10 ⁶
UL technical data	for three-phase motor		cycles	3x10 ⁶
UL technical data		120V 240V	cycles HP	3x10 ⁶ 1.5 3
UL technical data	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor	120V 240V	cycles HP	3x10 ⁶ 1.5 3
UL technical data Motor power for direct-	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 120V	HP HP	3x10 ⁶ 1.5 3 0.5
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 120V 240V	HP HP HP	3x10 ⁶ 1.5 3 0.5 1
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 120V 240V	HP HP HP	3x10 ⁶ 1.5 3 0.5 1
UL technical data Motor power for direct-	for three-phase motor for single-phase motor Operating temperature	120V 240V 120V 240V	HP HP HP	3x10 ⁶ 1.5 3 0.5 1



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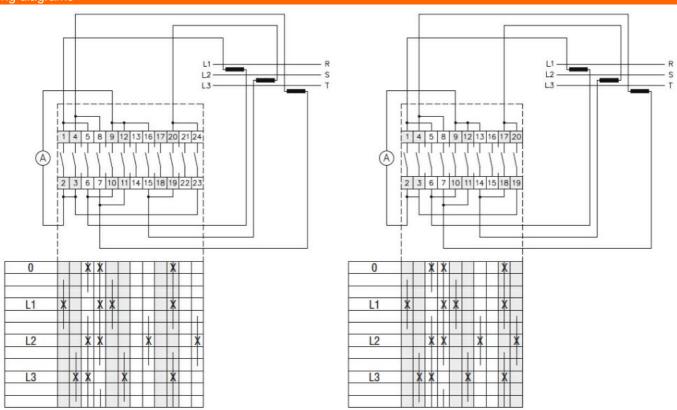
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



Carias	L1			
Series	1	2	3	
7GN12	38.1	47.8	57.5	
7GN20	38.1	47.8	57.5	
7GN25	42.5	56.1	69.7	

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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7GN1297O48

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classification	n	
		EC001029 -
ETIM 8.0		Selector switch,
		complete