

ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 1 POLE 16A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

			Rotary cam
Product designation			switches
Product type designation			7GN12
General characteristics			5.4. Oh an manuar
Switching diagram			54 - Changeover switch without 0 1 pole
N° of elements			1
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	16 15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	16 10 10
Rated short time current lcw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		A	16
AC15			10
	110V 220/230V 380/400V 660/690V	A A A	10 8 4 1.5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	2.5 4 5.5
Single-phase AC-3			
	110V 220/230V	kW kW	0.8 1.5
There also A OOO A	380/440V	kW	2.2
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	3 5.5 7.5
Single-phase AC23A	333,000 V	1,77	
- 0 	110V 220/230V	kW kW	0.8 1.7



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		380/440V	kW	3
Rated operational curre				
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
	DOOM (coloring)	440V	Α	0.25
	DC23A (poles in series)	0.41/		40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V 110V	A	10 (3)
		220V	A	5 (3)
	DC13	2200	Α	5 (4)
	DC13	24\/	۸	10
		24V 48V	A A	12 10
		60V 110V	A	8
			A	1
		220V	A	0.4
Danier diamination		440V	A W	0.15
Power dissipation			VV	0.8
Mechanical features				MO
Terminals screw			Nimo	M3
Tightening torque for to	erminais max		Nm	0.5
Conductor size	AMO Birthalla			
	AWG - Rigid cable		414/0	00
		min	AWG	20
	ANA/O FIG. 11 continu	Max	AWG	12
	AWG - Flexible cable		A1A/O	00
		min	AWG	20
	On the tank in a (IFO). Florible cable	Max	AWG	14
	Conductor size (IEC) - Flexible cable	min	mama ²	0 F
		min Max	mm²	0.5
	Conductor size (IEC) Digid coble	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	:	mm²	0.5
		min Mov	mm²	0.5
Mechanical life		Max	mm²	2.5 3x10 ⁶
UL technical data			cycles	JX IU
	on line control			
Motor power for direct-				
	on-line control for three-phase motor	4201/	ЫD	1.5
		120V	HP up	1.5
		240V	HP	3
		240V 480V	HP HP	3 50
	for three-phase motor	240V	HP	3
		240V 480V 600V	HP HP HP	3 50 40
	for three-phase motor	240V 480V 600V	HP HP HP	3 50 40 0.5
Motor power for direct-	for three-phase motor	240V 480V 600V	HP HP HP	3 50 40
Motor power for direct-	for three-phase motor	240V 480V 600V	HP HP HP	3 50 40 0.5
Motor power for direct-	for three-phase motor for single-phase motor	240V 480V 600V	HP HP HP	3 50 40 0.5
Motor power for direct-	for three-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 50 40 0.5 1
Motor power for direct-	for three-phase motor for single-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 50 40 0.5 1
Motor power for direct-	for three-phase motor for single-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 50 40 0.5 1



°C

-40



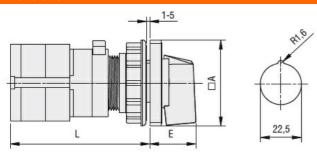
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Storage temperature	
	min
	max

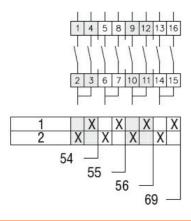
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree		•	IP00

Dimensions



Carias	Dimensions		L			
Series	□A	Е	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete