



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 1 POLE 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Draduat designation				Rotary cam
Product designation				switches
Product type designation General characteristics				7GN12
Switching diagram				51 - Changeover switch 1 pole
N° of elements				1
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltage	je Ui			
		IEC/EN UL/CSA	V V	690 600
Rated impulse withsta	nd voltage Llimn	UL/CSA	kV	6
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith			ic v	
		IEC/EN	Α	16
		UL/CSA	Α	15
Rated operational volta	age		V	480
Rated operational imp			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	A	16
		15kA	A	10
Rated short time curre	nt low	25kA	Α	10
Nateu Short time curre	TIL ICW	1s	Α	200
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
•	AC1/AC21A			
			Α	16
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	A	4
Rated operational pow	ver in AC	660/690V	Α	1.5
Mateu operational pow	Three-phase AC-3			
	Three phase he o	220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3			
		110V	kW	0.8
		220/230V	kW	1.5
	Thursday 10001	380/440V	kW	2.2
	Three-phase AC23A	220/2201/	1 2101	3
		220/230V 380/440V	kW kW	3 5.5
		500/440V 500/690V	kW	7.5
	Single-phase AC23A	000,000 V	17.4.4	
	3 - 1	110V	kW	0.8
		220/230V	kW	1.7





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	380/440V	kW	3
Rated operational current in DC			
DC21A			
	48V	Α	12
	60V	Α	12
	110V	Α	4
	220V	Α	0.6
B000A (. l)	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	Z2UV	Α	5 (4)
DC13	24\/	۸	10
	24V 48V	A A	12 10
	60V 110V	A	8
		A	1
	220V	A	0.4
Device discipation	440V	A W	0.15
Power dissipation		VV	0.8
Mechanical features			MO
Terminals screw		Nima	M3
Tightening torque for terminals max		Nm	0.5
Conductor size			
AWG - Rigid cable	•	A1A/O	00
	min	AWG	20
AMO EL III	Max	AWG	12
AWG - Flexible cable	•	A1A/O	00
	min	AWG	20
O - 1 - (1	Max	AWG	14
Conductor size (IEC) - Flexible cable		· 2	0.5
	min	mm²	0.5
Conductor size (IFC) Digid poble	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-
Motor power for direct-on-line control			
for three-phase motor	120V	HP	1.5
	120V 240V	HP	3
	240V 480V	HP	
	480V 600V		50
for single phase meter	۷۵۵۷	HP	40
for single-phase motor	120V	HP	0.5
Ambient conditions	240V	HP	1
Ambient conditions Tomporature			
Temperature Operating temperature			
Operating temperature	!	°C	25
	min	°C	-25 +55
	max	٠, ٠	166

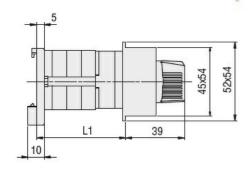




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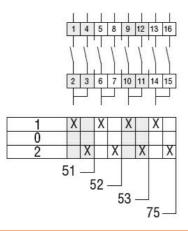
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions



Series	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

Certificates

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete