



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 2 POLES 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Due donat de ainmetico				Rotary cam
Product designation				switches
Product type designation				7GN12
General characteristics				52 - Changeover
Switching diagram				switch 2 poles
N° of elements				2
				U12 - Front
				mounting without front plate with
Mounting form				key operation for
				hole diam. 22mm
				fixing
Contact characteristics Rated insulation voltag				
Rateu irisulation voitag	e OI	IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar	nd voltage Uimp		kV	6
Conventional free air th				
		IEC/EN	Α	16
-		UL/CSA	Α	15
Rated operational volta			V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)	401.4	٨	4.0
		10kA 15kA	A A	16 10
		25kA	A	10
Rated short time curre	nt Icw	20101		
		1s	kA	200
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
	1045		Α	16
	AC15	110V	۸	10
		220/230V	A A	10 8
		380/400V	A	4
		660/690V	Α	1.5
Rated operational pow	er in AC			
	Three-phase AC-3			
		220/230V	kW	2.5
		380/440V	kW	4
	Single phase AC 2	500/690V	kW	5.5
	Single-phase AC-3	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
	0: 1 1 10001	500/690V	kW	7.5
	Single-phase AC23A	44017	12///	0.0
		110V 220/230V	kW kW	0.8 1.7
		ZZU/Z3UV	V A A	1.1



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		380/440V	kW	3
Rated operational cu				
	DC21A		_	
		48V	A	12
		60V	A	12
		110V	A	4
		220V	A	0.6
	DOOM (selection size)	440V	Α	0.25
	DC23A (poles in series)	241/	۸	10 (1)
		24V	A	10 (1)
		48V 60V	A	10 (2)
		110V	A A	10 (3)
		220V	A	5 (3)
	DC13	220 V	A	5 (4)
	DC13	241/	۸	10
		24V 48V	A A	12 10
		48 V 60 V	A	
		110V	A	8 1
		220V	A A	0.4
Power dissipation		440V	— A W	0.15
Mechanical features			VV	0.0
Terminals screw				M3
Tightening torque for	terminals may		Nm	0.5
Conductor size	terrilinais max		INIII	0.5
Conductor Size	AWC Pigid poble			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AWG	12
	AVVG - Flexible Cable	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAA	700	17
	Conductor Size (IEC) - Flexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVICA	111111	2.0
	Solidadioi Sizo (IEO) - Mgid Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAX	cycles	3x10 ⁶
UL technical data			0,0100	5X10
Motor power for direct	et-on-line control			
powor for difec	for three-phase motor			
	ioi unoo phaoo motor	120V	HP	1.5
		240V	HP	3
		480V	HP	50
		600V	HP	40
	for single-phase motor			
	io. origio pridoo motor	120V	HP	0.5
		240V	HP	1
		Z+0 V		<u> </u>
Ambient conditions				
Ambient conditions Temperature	Operating temperature			
	Operating temperature	min	°C	-25
	Operating temperature	min max	°C °C	-25 +55
	Operating temperature	min max	°C °C	-25 +55

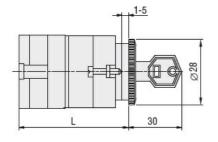


Resistance & Protection
Frontal IP degree
Terminals IP degree

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Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

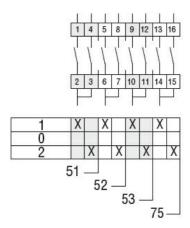
Dimensions





Series	L			
	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

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