



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

Draduat designation			Rotary cam
Product designation			switches
Product type designation General characteristics			7GN12
Switching diagram			52 - Changeover switch 2 poles
N° of elements			2
Mounting form			U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
Contact characteristics Rated insulation voltage Ui			
Nateu Insulation voitage of	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	Α	16
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	16
	15kA 25kA	A A	10 10
Rated short time current Icw	ZJRA		10
	1s	kA	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	Α	4
Pote Leavest's selection of AO	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	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
	380/440V	kW	2.2
Three-phase AC23A			
	220/230V	kW	3
	380/440V	kW	5.5 7.5
Single-phase AC23A	500/690V	kW	7.5
Olligie-pliase AO23A	110V	kW	0.8
	220/230V	kW	1.7
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		380/440V	kW	3
Rated operational curr				
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	A	0.6
	DOOM (calcalantas)	440V	A	0.25
	DC23A (poles in series)	0.41/	^	40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V 110V	A A	10 (3)
		220V	A	5 (3)
	DC13	2201	A	5 (4)
	DC13	24V	Α	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		440 V	W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.5
Conductor size	STITITUO TITAX		1 4111	0.0
Conductor 6/20	AWG - Rigid cable			
	AWO Trigid dubic	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
	ATTO THOMBIO GABIO	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
	(,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	(-, 5	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		-	cycles	3x10 ⁶
UL technical data				
Motor power for direct	-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	50
		400 V	LIF	
		600V	HP	40
	for single-phase motor			
	for single-phase motor			
	for single-phase motor	600V	HP	40
Ambient conditions	for single-phase motor	600V 120V	HP HP	0.5
Ambient conditions Temperature	for single-phase motor	600V 120V	HP HP	0.5
	for single-phase motor Operating temperature	600V 120V	HP HP	0.5
		600V 120V	HP HP HP	0.5
		120V 240V	HP HP HP	0.5



ENERGY AND AUTOMATION

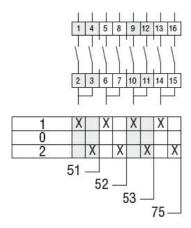
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Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Dimensions				

1-5 88 56 98 22,5

Series	L			
Series	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