

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 20A, **electric** FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM

ENERGY AND AUTOMATION

FIXING

Droduct designation				Rotary cam
Product designation				switches
Product type designation				7GN20
General characteristics				60 Changaayar
Switching diagram				69 - Changeover switch without 0 4
N10 - f - l 4-				poles
N° of elements				4 U12 - Front
				mounting without
				front plate with
Mounting form				key operation for
				hole diam. 22mm
				fixing
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan			kV	6
Conventional free air th	ermal current Ith	150/5N	•	22
		IEC/EN	A	20
Date deparational valte	~~	UL/CSA	A V	20
Rated operational volta			kV	480
Rated operational impu			KV	4
Maximum ruse size ior	short-circuit protection In (gG)	10kA	Α	20
		15kA	A	16
		25kA	A	16
Rated short time currer	at Icw	ZJKA		10
reaced short time curren	IL IGW	1s	kA	250
Conductivity		13	IVA	10/5 mA/V
Operational current le l	EC/EN			10/0111114
	AC1/AC21A			
	,		Α	20
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	Α	6
		660/690V	Α	1.5
Rated operational power	er in AC			
	Three-phase AC-3			
		220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	5.5
	Single-phase AC-3			
		110V	kW	0.8
		220/230V	kW	2.2
	TI I A 000A	380/440V	kW	3
	Three-phase AC23A	200/2201	1-///	E
		220/230V 380/440V	kW kW	5 7.5
		500/440V 500/690V	kW	7.5 7.5
	Single-phase AC23A	300/030 (17.4.4	1.0
	Single phase Nozon	110V	kW	0.8



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		220/230V	kW	2.5	
		380/440V	kW	3.7	
Rated operational cu	errent in DC	000/440 V	IXVV	0.7	
rated operational ed	DC21A				
	DOZIA	48V	Α	20	
		60V	A	20	
		110V	A	4	
		220V	A	0.6	
		440V	A	0.25	
	DC23A (poles in series)	4401		0.20	
	DOZOA (poles in series)	24V	Α	20 (1)	
		48V	A	20 (2)	
		60V	A	20 (3)	
		110V	A	10 (3)	
		220V	A	8 (4)	
	DC13	220 V		O (4)	
	2310	24V	Α	20	
		48V	A	16	
		60V	A	12	
		110V	A	1	
		220V	A	0.4	
		440V	A	0.4	
Power discipation		440 V	W	0.13	—
Power dissipation Mechanical features			VV	0.6	
Terminals screw				M3	
	torminals may		Nim		
Tightening torque for	terminals max		Nm	0.5	
Conductor size	ANNO Dividente				
	AWG - Rigid cable		A1A/O	00	
		min	AWG	20	
	AMO Electrical I	Max	AWG	12	
	AWG - Flexible cable		414/0	0.0	
		min	AWG	20	
	O	Max	AWG	14	
	Conductor size (IEC) - Flexible cable		2	0.5	
		min	mm²	0.5	
	0 1 ("50) 5: : : :	Max	mm²	2.5	
	Conductor size (IEC) - Rigid cable		_	0.5	
		min	mm²	0.5	
		Max	mm²	2.5	
Mechanical life			cycles	5x10 ⁶	
UL technical data					
Motor power for direct					
	for three-phase motor				
		120V	HP	1.5	
		240V	HP	3	
		480V	HP	7.5	
		600V	HP	10	
	for single-phase motor				
		120V	HP	0.75	
		240V	HP	2	
Ambient conditions					
Temperature					
	Operating temperature				
		min	°C	-25	



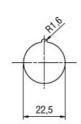
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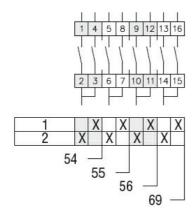
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

1-5



	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

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete