



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 2 POLES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam
•			switches 7GN20
Product type designation General characteristics			7GN20
Switching diagram			52 - Changeover switch 2 poles
N° of elements			2
Mounting form			O48 - Modular service cover for 35mm din rail mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Dated in a class with stand calternal library	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
Conventional nee all mennal current fur	IEC/EN	Α	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	20
	15kA	Α	16
But I de d'anne medic	25kA	A	16
Rated short time current Icw	1s	kA	250
Conductivity	15	KA	10/5 mA/V
Operational current le IEC/EN			10/0 11/7 (
AC1/AC21A			
		Α	20
AC15			_
	110V	Α	10
	220/230V	A	8
	380/400V	A	6
Rated operational power in AC	660/690V	Α	1.5
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
Three-phase AC23A	380/440V	kW	3
Tillee-pliase AO23A	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7





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Rated operational cui	rrent in DC			
'	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
erminals screw				M3
ightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	· ·	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
	,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) Digid coble			
	Conductor size (IEC) - Rigid caple			
	Conductor size (IEC) - Rigid cable		mm²	0.5
	Conductor size (IEC) - Rigid cable	min	mm² mm²	0.5 2.5
/lechanical life	Conductor size (IEC) - Rigid cable		mm²	2.5
	Conductor size (IEC) - Rigid cable	min		
JL technical data		min	mm²	2.5
JL technical data	ct-on-line control	min	mm²	2.5
JL technical data		min Max	mm² cycles	2.5 5x10 ⁶
JL technical data	ct-on-line control	min Max 120V	mm² cycles	2.5 5x10 ⁶
JL technical data	ct-on-line control	min Max 120V 240V	mm² cycles HP HP	2.5 5x10 ⁶ 1.5 3
JL technical data	ct-on-line control	min Max 120V 240V 480V	mm² cycles HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5
JL technical data	ct-on-line control for three-phase motor	min Max 120V 240V	mm² cycles HP HP	2.5 5x10 ⁶ 1.5 3
JL technical data	ct-on-line control	min Max 120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10
JL technical data	ct-on-line control for three-phase motor	min Max 120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10
JL technical data Motor power for direc	ct-on-line control for three-phase motor	min Max 120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10
JL technical data Motor power for direct Ambient conditions	ct-on-line control for three-phase motor	min Max 120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10
Mechanical life JL technical data Motor power for direct Ambient conditions Femperature	ct-on-line control for three-phase motor for single-phase motor	min Max 120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10
JL technical data Motor power for direct Ambient conditions	ct-on-line control for three-phase motor	min Max 120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2
JL technical data Motor power for direct Ambient conditions	ct-on-line control for three-phase motor for single-phase motor	min Max 120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10





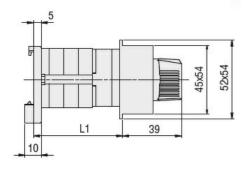
ENERGY AND AUTOMATION

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min	°C	-40
max	°C	+70

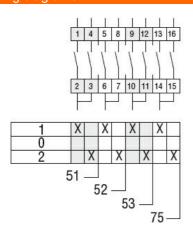
	max	•	
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree		•	IP00

Dimensions



Carias	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

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete