



# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			06 - ON/OFF switch 2 poles
N° of elements			1
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	20
	UL/CSA	Α	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
	25kA	A	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	20
AC15	440)/		40
	110V 220/230V	A A	10
	380/400V	A	8 6
	660/690V	A	1.5
Rated operational power in AC	000/030 V		1.0
Three-phase AC-3			
Tilloo pilaso no s	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3		<u> </u>	
<b>3</b> 1	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			
	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
Rated operational current in DC	380/440V	kW	3.7





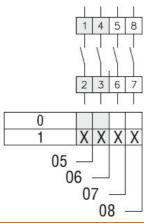
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	DC21A			
	DCZTA	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	770 V		0.20
	DOZON (poics in schoo)	24V	Α	20 (1)
		48V	A	20 (1)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	Α	8 (4)
	DC13			<u> </u>
	50.0	24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		1101	W	0.8
Mechanical features			• • • • • • • • • • • • • • • • • • • •	0.0
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size	minute max		1 1111	0.0
Conductor Size	AWG - Rigid cable			
	AWO - Nigiti cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	AVVO	12
	AVVO - I TEXTIDIE CADIE	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIAA	700	
	Colludator Size (ILO) - Flexible Cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.5
	Conductor size (ILO) - Nigid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAA	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	3810
Motor power for direct-	on-line control			
Motor power for all cot v	for three-phase motor			
	10. till 00 prid00 motor	120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor	500 V		
	Tot olingio priddo motor	120V	HP	0.75
		240V	HP	2
Ambient conditions		<u> </u>	4 11	_
Temperature				
Tomporataro	Operating temperature			
	Sporating temperature	min	°C	-25
		max	°C	+55
		max		
	Storage temperature			
	Storage temperature	min	°C	-40



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	max	$^{\circ}\mathrm{C}$	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			
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** 

EC001105 - Offload switch