



# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			08 - ON/OFF switch 4 poles
N° of elements			2
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	A	20
Poted operational valtage	UL/CSA	A V	20 480
Rated operational voltage		kV	480
Rated operational impulse voltage  Maximum fuse size for short-circuit protection In (gG)		K۷	4
Maximum ruse size for short-circuit protection in (go)	10kA	Α	20
	15kA	A	16
	25kA	Α	16
Rated short time current lcw			<del>-</del>
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
	220/230V	A	8
	380/400V 660/690V	A A	6 1.5
Rated operational power in AC	000/090 V	A	1.5
Three-phase AC-3			
Tillee-bilase vo-s	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
	380/440V	kW	3
Three-phase AC23A			_
	220/230V	kW	5
	380/440V	kW	7.5
Cingle phase AC22A	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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	DC044				
	DC21A	40\/	۸	20	
		48V	A	20	
		60V	A	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				0.0	
Terminals screw				M3	
Tightening torque for te	arminals may		Nm	0.5	
Conductor size	errilliais max		INIII	0.5	
Conductor Size	AWC Bigid poble				
	AWG - Rigid cable		AWG	20	
		min		20	
	AMO EL III III	Max	AWG	12	
	AWG - Flexible cable				
		min	AWG	20	
		Max	AWG	14	
	Conductor size (IEC) - Flexible cable				
		min	mm²	0.5	
		min Max	mm² mm²	0.5 2.5	
	Conductor size (IEC) - Rigid cable				
	Conductor size (IEC) - Rigid cable			0.5	
	Conductor size (IEC) - Rigid cable	Max	mm²	2.5	
Mechanical life	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5	
UL technical data		Max min	mm² mm² mm²	2.5 0.5 2.5	
		Max min	mm² mm² mm²	2.5 0.5 2.5	
UL technical data		Max min	mm² mm² mm²	2.5 0.5 2.5	
UL technical data	-on-line control	Max min	mm² mm² mm²	2.5 0.5 2.5	
UL technical data	-on-line control	Max min Max	mm² mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup>	
UL technical data	-on-line control	Max min Max	mm² mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup>	
UL technical data	-on-line control	Max min Max 120V 240V	mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5	
UL technical data	-on-line control for three-phase motor	Max min Max 120V 240V 480V	mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5	
UL technical data	-on-line control	Max min Max  120V 240V 480V 600V	mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data Motor power for direct-	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data  Motor power for direct-	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data  Motor power for direct-	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75 2	
UL technical data  Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75 2	
UL technical data  Motor power for direct-	-on-line control for three-phase motor  for single-phase motor  Operating temperature	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75 2	
UL technical data  Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75 2	



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	max	°C	+70
Resistance & Protection			
Frontal IP degree	<del></del>	<del></del>	IP40
Terminals IP degree			IP00
Dimensions			

# Wiring diagrams 1 4 5 8 1 4 5 8 2 3 6 7 1 X X X X 05 06 07 07 08 08

## 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 - Off-load switch