

**ENERGY AND AUTOMATION** 

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

Product designation			Rotary cam switches
Product type designation  General characteristics			7GN25
			05 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
Mounting form			U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Data Phys. Rev. 20 steed Latter at Phys.	UL/CSA	V	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		kV	6
Conventional nee all thermal current lift	IEC/EN	Α	25
	UL/CSA	A	30
Rated operational voltage	02/00/1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current lcw	4		400
Conductivity	1s	kA	400 10/5 mA/V
Operational current le IEC/EN			10/5 IIIA/ V
AC1/AC21A			
NO II/NOZII/N		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
3 1	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			
	220/230V	kW	6.5
	380/440V	kW	11
Single phase ACCCA	500/690V	kW	
Single-phase AC23A	110V	kW	1.5
	220/230V	kW	3.7
	220/200 V	17.4.4	<b></b>



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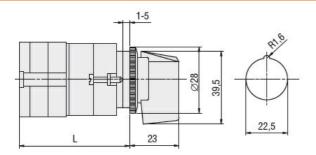
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		380/440V	kW	5.5
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)		_	
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
	B040	220V	Α	10 (4)
	DC13	0.41/	Δ.	0.5
		24V	A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				140.5
Terminals screw				M3.5
Tightening torque for to	erminals max ————————————————————————————————————		Nm	0.8
Conductor size				
	AWG - Rigid cable		_	
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable		_	
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			_
	Conductor size (IEC) - Rigid cable	min	mm²	0.5
	Conductor size (IEC) - Rigid cable	min Max	mm²	4
Mechanical life	Conductor size (IEC) - Rigid cable			
UL technical data			mm²	4
	-on-line control		mm²	4
UL technical data		Max	mm² cycles	5x10 <sup>6</sup>
UL technical data	-on-line control	Max 120V	mm² cycles	4 5x10 <sup>6</sup>
UL technical data	-on-line control	120V 240V	mm² cycles  HP HP	3 5
UL technical data	-on-line control	120V 240V 480V	mm² cycles  HP HP HP	3 5 10
UL technical data	-on-line control for three-phase motor	120V 240V	mm² cycles  HP HP	3 5
UL technical data	-on-line control	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 15
UL technical data	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 15
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	120V 240V 480V 600V	mm² cycles  HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15  1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP C°C	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor  Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles  HP HP HP HP HP	4 5x10 <sup>6</sup> 3 5 10 15  1.5 3

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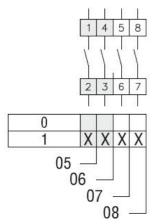
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			



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