



**ENERGY AND AUTOMATION** 

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 16A, **electric** FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM **FIXING** 

Product designation				Rotary cam switches
Product type designation				7GN125
General characteristics Switching diagram				56 - Changeover switch without 0 3 poles
N° of elements				3
Mounting form				U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
Contact characteristics Rated insulation voltage				
Nateu irisulation voltagi	e Oi	IEC/EN UL/CSA	V V	690 600
Rated impulse withstar	·		kV	6
Conventional free air th	ermal current Ith	IEC/EN UL/CSA	A A	125 130
Rated operational volta	ige		V	690
Rated operational impu	ulse voltage		kV	6
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	125
		15kA	Α	100
		25kA	A	100
		50kA 63kA	A A	100 100
Rated short time currer	nt Icw	OOM		100
		1s	kA	2100
Conductivity				10/5 mA/V
Operational current le	EC/EN			
	AC1/AC21A			
			Α	125
	AC15		_	40
		110V	A	40
		220/230V	A	28 15
		380/400V 660/690V	A A	5
Rated operational pow	er in AC	000/030 V		
rated operational pow	Three-phase AC-3			
		220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3			
		110V	kW	5
		220/230V	kW	11
	Three phase ACCCA	380/440V	kW	15
	Three-phase AC23A	220/230V	kW	30
		220/230V 380/440V	kW	45
		500/690V	kW	37
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	Single-phase AC23A			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curr	rent in DC			
	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)			
	2 0 20 m (posed in costed)	24V	Α	125 (1)
		48V	A	125 (2)
		60V	A	125 (2)
		110V	A	50 (3)
		220V	Α	20 (4)
	DC13		_	
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	Α	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for to	erminals max		Nm	2
Conductor size	ommale max		1 1111	
Conductor Size	AMC Pigid coblo			
	AWG - Rigid cable			
	<del>-</del>		A \ A \ C	4.4
	-	min	AWG	14
		min Max	AWG AWG	14 1/0
	AWG - Flexible cable	Max	AWG	1/0
		Max min	AWG	1/0
	AWG - Flexible cable	Max	AWG	1/0
		Max min	AWG	1/0
	AWG - Flexible cable	Max min	AWG	1/0
	AWG - Flexible cable	Max min Max	AWG AWG AWG	1/0 14 1/0
	AWG - Flexible cable	Max min Max min	AWG AWG AWG	1/0 14 1/0 2.5
	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG	1/0 14 1/0 2.5
	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	1/0 14 1/0 2.5 50
Mechanical life	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG  mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
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UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG  mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
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UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG  mm² mm² cycles	1/0  14 1/0  2.5 50  2.5 50  1X10 <sup>6</sup>
UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max  120V 240V	AWG AWG AWG  mm² mm² cycles	1/0  14 1/0  2.5 50  2.5 50  1X10°
UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG  mm² mm² cycles  HP HP	1/0  14 1/0  2.5 50  2.5 50  1X10 <sup>6</sup> 15 25 50
UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG  mm² mm² cycles	1/0  14 1/0  2.5 50  2.5 50  1X10°
UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP	1/0  14  1/0  2.5  50  2.5  50  1X10 <sup>6</sup> 15  25  50  40
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UL technical data Motor power for direct	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP HP	1/0  14 1/0  2.5 50  2.5 50  1X10 <sup>6</sup> 15 25 50 40
UL technical data Motor power for direct	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor  for single-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP HP	1/0  14 1/0  2.5 50  2.5 50  1X10 <sup>6</sup> 15 25 50 40
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UL technical data Motor power for direct	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor  for single-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP HP	1/0  14 1/0  2.5 50  2.5 50  1X10 <sup>6</sup> 15 25 50 40



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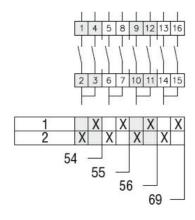
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Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree		,	IP40	,
Terminals IP degree			IP00	

## 22,5

Series	L			
Selles	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

EAC

UL

ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete