

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
•			switches 7GN25
Product type designation  General characteristics			7GN25
			91 - ON/OFF
Switching diagram			switch 2 poles
N° of elements			1
Mounting form			U - Front
Mounting form			mounting with black handle
Contact characteristics			SIGOR FIGURE
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	25
Data Lanca Caralla Maria	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage  Maximum fuse size for short-circuit protection In (gG)		kV	4
Maximum ruse size for short-circuit protection in (gG)	10kA	Α	25
	15kA	A	25 25
	25kA	A	25
Rated short time current Icw	2010 (		
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15			
	110V	Α	16
	220/230V	A	12
	380/400V	A	8
Rated operational power in AC	660/690V	Α	2
Three-phase AC-3			
Tillee-pilase AO-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
<u>-</u> .	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			
	220/230V	kW	6.5





# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational cur	rent in DC			
rates operational out	DC21A			
	DOZIA	48V	Α	25
		60V	A	25
		110V	A	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			. • ( . /
	5010	24V	Α	25
		48V		20
			A	
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for	terminals max		Nm	0.8
Conductor size				
Conductor size	AWG - Rigid cable			
Conductor size	AWG - Rigid cable	min	AWG	20
Conductor size	AWG - Rigid cable	min	AWG	20
Conductor size		min Max	AWG AWG	20 10
Conductor size	AWG - Rigid cable  AWG - Flexible cable	Max	AWG	10
Conductor size		Max min	AWG	20
Conductor size	AWG - Flexible cable	Max	AWG	10
Conductor size		Max min Max	AWG AWG AWG	10 20 12
Conductor size	AWG - Flexible cable	Max min	AWG	20
Conductor size	AWG - Flexible cable	Max min Max	AWG AWG AWG	10 20 12
Conductor size	AWG - Flexible cable	Max min Max min	AWG AWG AWG	10 20 12 0.5
Conductor size	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	10 20 12 0.5 4
Conductor size	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm² mm²	10 20 12 0.5 4
	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²	10 20 12 0.5 4
Mechanical life	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm² mm²	10 20 12 0.5 4
Mechanical life UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG  mm² mm²  mm²	10 20 12 0.5 4
Mechanical life	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG  mm² mm²  mm²	10 20 12 0.5 4
Mechanical life 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  mm² cycles	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Mechanical life 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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Mechanical life 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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Mechanical life 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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Mechanical life 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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Mechanical life 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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup>
Mechanical life UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup> 3 5 10 15
Mechanical life UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup> 3 5 10 15
Mechanical life UL technical data Motor power for direc	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup> 3 5 10 15
Mechanical life UL technical data	AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	10 20 12 0.5 4 0.5 4 5x10 <sup>6</sup> 3 5 10 15



## ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

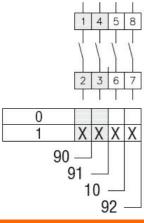
Operating	temperature
Operaning	temperature

	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

#### Dimensions

#### Wiring diagrams

Resistance & Protection
Frontal IP degree
Terminals IP degree



#### 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