



Product designation	Rotary cam switches		
Product type designation	7GN25		
<b>General characteristics</b>			
Switching diagram	90 - ON/OFF switch 1 pole		
N° of elements	1		
Mounting form	U - Front mounting with black handle		
<b>Contact characteristics</b>			
Rated insulation voltage $U_i$	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage $U_{imp}$		kV	6
Conventional free air thermal current $I_{th}$	IEC/EN	A	25
	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	25
	15kA	A	25
	25kA	A	25
Rated short time current $I_{cw}$	1s	kA	400
Conductivity			10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		A 25
	AC15		
		110V	A 16
		220/230V	A 12
		380/400V	A 8
		660/690V	A 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		
		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
	500/690V	kW	11
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Single-phase AC23A			
	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5
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Rated operational current in DC			
DC21A			
	48V	A	25
	60V	A	25
	110V	A	4
	220V	A	0.7
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DC23A (poles in series)			
	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
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DC13			
	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
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Power dissipation		W	1.1
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<b>Mechanical features</b>			
Terminals screw			M3.5
Tightening torque for terminals max		Nm	0.8
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Conductor size			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	10
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AWG - Flexible cable			
	min	AWG	20
	Max	AWG	12
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Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
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Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
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Mechanical life		cycles	5x10 <sup>6</sup>
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<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	3
	240V	HP	5
	480V	HP	10
	600V	HP	15
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for single-phase motor			
	120V	HP	1.5
	240V	HP	3

**Ambient conditions**

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

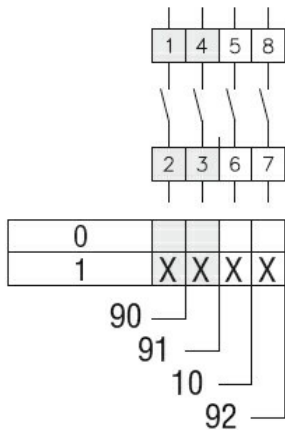
### Resistance & Protection

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 - Off-load switch