

Product designation				Rotary cam switches	
Product type designation				7GN25	
<b>General characteristics</b>					
Switching diagram				06 - ON/OFF switch 2 poles	
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	A	
			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
Single-phase AC23A					
		110V	kW	1.5	
		220/230V	kW	3.7	
		380/440V	kW	5.5	

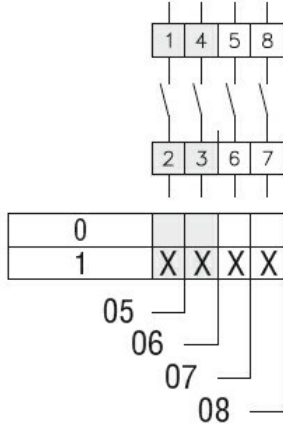
Rated operational current in DC

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
<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>
<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
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<b>Ambient conditions</b>			
Temperature			
Operating temperature	min	°C	-25
	max	°C	+55
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Storage temperature	min	°C	-40
	max	°C	+70
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<b>Resistance &amp; Protection</b>			

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

EC001029 -  
Selector switch,  
complete