



Product designation	Rotary cam switches		
Product type designation	7GN25		
General characteristics			
Switching diagram	03 - ON/OFF spring return switch 3 poles		
N° of elements	2		
Mounting form	U - Front mounting with black handle		
Contact characteristics			
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	A	25
	UL/CSA	A	30
Rated operational voltage	V	480	
Rated operational impulse voltage	kV	4	
Maximum fuse size for short-circuit protection In (gG)	10kA	A	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw	1s	kA	400
Conductivity	10/5 mA/V		
Operational current Ie 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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Mechanical features			
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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UL technical data			
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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Ambient conditions			

Temperature

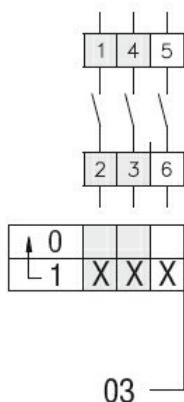
Operating temperature	min	°C	-25
	max	°C	+55
Storage temperature	min	°C	-40
	max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions

Wiring diagrams
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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