

Product designation				Enclosed rotary cam switch
Product type designation				7GN25
General characteristics				
Switching diagram				85 - Multi-step 1-2-3-4-6 1 pole
N° of elements				3
Mounting form				P - Plastic enclosure 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				
	1 s	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	
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

DC23A (poles in series)

24V	A	25 (1)
48V	A	25 (2)
60V	A	25 (3)
110V	A	12 (3)
220V	A	10 (4)

DC13

24V	A	25
48V	A	20
60V	A	16
110V	A	1.5
220V	A	0.4

Power dissipation	W	1.1
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Mechanical features

Terminals screw	M3.5
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Tightening torque for terminals max	Nm	0.8
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Conductor size

AWG - Rigid cable

min	AWG	20
Max	AWG	10

AWG - Flexible cable

min	AWG	20
Max	AWG	12

Conductor size (IEC) - Flexible cable

min	mm ²	0.5
Max	mm ²	4

Conductor size (IEC) - Rigid cable

min	mm ²	0.5
Max	mm ²	4

Mechanical life	cycles	5x10 ⁶
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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

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	IP65
Terminals IP degree	IP00
ETIM classification	
ETIM 8.0	EC001029 - Selector switch, complete