

Product designation			Enclosed rotary cam switch		
Product type designation			7GN25		
General characteristics					
Switching diagram			82 - Multi-step 1-2-3 1 pole		
N° of elements			2		
Mounting form			P - Plastic enclosure with black handle		
Contact characteristics					
Rated insulation voltage Ui			IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp			kV	6	
Conventional free air thermal current Ith			IEC/EN UL/CSA	A A	25 30
Rated operational voltage			V	480	
Rated operational impulse voltage			kV	4	
Maximum fuse size for short-circuit protection In (gG)			10kA 15kA 25kA	A A A	25 25 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 220/230V 380/400V 660/690V	A A A A	16 12 8 2
Rated operational power in AC					
Three-phase AC-3			220/230V 380/440V 500/690V	kW kW kW	5.5 7.5 7.5
Single-phase AC-3			110V 220/230V 380/440V	kW kW kW	1.5 3 5.5
Three-phase AC23A			220/230V 380/440V 500/690V	kW kW kW	6.5 11 11
Single-phase AC23A			110V 220/230V 380/440V	kW kW kW	1.5 3.7 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

Mechanical features

Terminals screw M3.5

Tightening torque for terminals max Nm 0.8

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 5x10⁶

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

