

Product designation	Enclosed rotary cam switch		
Product type designation	7GN125		
<b>General characteristics</b>			
Switching diagram	53 - Changeover switch 3 poles - 2 speed motor starting with separate windings		
N° of elements	3		
Mounting form	P25 - Plastic enclosure with red/yellow 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	125
	UL/CSA	A	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	125
	15kA	A	100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current $I_{cw}$	1s	kA	2100
			10/5 mA/V
Conductivity			10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		
		A	125
AC15	110V	A	40
	220/230V	A	28
	380/400V	A	15
	660/690V	A	5
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
	Single-phase AC-3		
	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
	Three-phase AC23A		
	220/230V	kW	30
380/440V	kW	45	
500/690V	kW	37	

Single-phase AC23A

110V	kW	5
220/230V	kW	11
380/440V	kW	15

Rated operational current in DC

DC21A

48V	A	125
60V	A	80
110V	A	10
220V	A	1.2

DC23A (poles in series)

24V	A	125 (1)
48V	A	125 (2)
60V	A	125 (3)
110V	A	50 (3)
220V	A	20 (4)

DC13

24V	A	125
48V	A	100
60V	A	50
110V	A	4

Power dissipation

W	6.3
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Mechanical features

Terminals screw

M2X5

Tightening torque for terminals max

Nm 2

Conductor size

AWG - Rigid cable

min	AWG	14
Max	AWG	1/0

AWG - Flexible cable

min	AWG	14
Max	AWG	1/0

Conductor size (IEC) - Flexible cable

min	mm <sup>2</sup>	2.5
Max	mm <sup>2</sup>	50

Conductor size (IEC) - Rigid cable

min	mm <sup>2</sup>	2.5
Max	mm <sup>2</sup>	50

Mechanical life

cycles 1X10<sup>6</sup>

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	15
240V	HP	25
480V	HP	50
600V	HP	40

for single-phase motor

120V	HP	5
240V	HP	15

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

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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