

Product designation			Enclosed rotary cam switch		
Product type designation			7GN125		
General characteristics					
Switching diagram			86 - Multi-step 1-2-3 2 poles		
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	125
			UL/CSA	A	130
Rated operational voltage			V	690	
Rated operational impulse voltage			kV	6	
Maximum fuse size for short-circuit protection In (gG)			10kA	A	125
			15kA	A	100
			25kA	A	100
			50kA	A	100
			63kA	A	100
Rated short time current Icw			1s	kA	2100
Conductivity			10/5 mA/V		
Operational current Ie IEC/EN					
AC1/AC21A					
			A		
			125		
AC15					
			110V		
			220/230V		
			380/400V		
			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
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 ²	2.5
		Max	mm ²	50
Conductor size (IEC) - Rigid cable		min	mm ²	2.5
		Max	mm ²	50
Mechanical life			cycles	1X10 ⁶
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
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
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