

Product designation	Enclosed rotary cam switch		
Product type designation	7GN125		
<b>General characteristics</b>			
Switching diagram	86 - Multi-step 1-2-3 2 poles		
N° of elements	3		
Mounting form	P - Plastic enclosure with black 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	A	2100
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
<b>Mechanical features</b>				
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>
<b>UL technical data</b>				
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	
<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

<b>Resistance &amp; Protection</b>	
Frontal IP degree	IP65
Terminals IP degree	IP00
<b>ETIM classification</b>	
ETIM 8.0	EC001029 - Selector switch, complete