

Product designation				Rotary cam switches
Product type designation				7GN125
<b>General characteristics</b>				
Switching diagram				20 - Dahlander motor 2-speed reversing switch
N° of elements				6
Mounting form				U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers
<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
Conductivity				10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A			A
	AC15			125
Rated operational power in AC	110V			A
	220/230V			A
	380/400V			A
	660/690V			A
				5
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



ETIM 8.0

EC001029 -  
Selector switch,  
complete