

Product designation				Rotary cam switches
Product type designation				7GN125
General characteristics				
Switching diagram				108 - Multi-step 0-1-2-3 1 pole
N° of elements				2
Mounting form				U - Front mounting with black handle
Contact characteristics				
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
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	IP40
Terminals IP degree	IP00
ETIM classification	
ETIM 8.0	EC001029 - Selector switch, complete