

Product designation				Rotary cam switches
Product type designation				7GN25
General characteristics				
Switching diagram				94 - Multi-step 1-2-3-4 3 poles
N° of elements				6
Mounting form				O - Rear 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	25	
	UL/CSA	A	30	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	25	
	15kA	A	25	
	25kA	A	25	
Rated short time current I_{cw}	1s	A	400	
Conductivity				10/5 mA/V
Operational current I_e IEC/EN				
AC1/AC21A		A	25	
AC15	110V	A	16	
	220/230V	A	12	
	380/400V	A	8	
	660/690V	A	2	
Rated operational power in AC				
Three-phase AC-3	220/230V	kW	5.5	
	380/440V	kW	7.5	
	500/690V	kW	7.5	
Single-phase AC-3	110V	kW	1.5	
	220/230V	kW	3	
	380/440V	kW	5.5	
Three-phase AC23A	220/230V	kW	6.5	
	380/440V	kW	11	
	500/690V	kW	11	
Single-phase AC23A	110V	kW	1.5	
	220/230V	kW	3.7	
	380/440V	kW	5.5	
Rated operational current in DC				

DC21A	48V	A	25
	60V	A	25
	110V	A	4
	220V	A	0.7
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DC23A (poles in series)	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
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DC13	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
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Power dissipation		W	1.1
Mechanical features			
Terminals screw			M3.5
Tightening torque for terminals max		Nm	0.8
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Conductor size			
AWG - Rigid cable	min	AWG	20
	Max	AWG	10
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AWG - Flexible cable	min	AWG	20
	Max	AWG	12
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Conductor size (IEC) - Flexible cable	min	mm ²	0.5
	Max	mm ²	4
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Conductor size (IEC) - Rigid cable	min	mm ²	0.5
	Max	mm ²	4
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Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	3
	240V	HP	5
	480V	HP	10
	600V	HP	15
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for single-phase motor	120V	HP	1.5
	240V	HP	3
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Ambient conditions			
Temperature			
Operating temperature	min	°C	-25
	max	°C	+55
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Storage temperature	min	°C	-40
	max	°C	+70
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Resistance & Protection			

