

Product designation				Rotary cam switches
Product type designation				7GN63
<b>General characteristics</b>				
Switching diagram				94 - Multi-step 1-2-3-4 3 poles
N° of elements				6
Mounting form				O - Rear mounting 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	63	
	UL/CSA	A	60	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	63	
	15kA	A	63	
	25kA	A	63	
	50kA	A	63	
	63kA	A	63	
Rated short time current $I_{cw}$	1s	kA	1600	
				10/5 mA/V
Conductivity				10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		A	63
	AC15			
	110V	A	32	
	220/230V	A	25	
	380/400V	A	15	
	660/690V	A	4	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	11	
	380/440V	kW	18.5	
	500/690V	kW	18.5	
	Single-phase AC-3			
	110V	kW	3.7	
	220/230V	kW	6.5	
	380/440V	kW	11.5	
	Three-phase AC23A			
	220/230V	kW	12.5	
	380/440V	kW	30	
	500/690V	kW	30	
Single-phase AC23A				
110V	kW	3.7		
220/230V	kW	7.5		

	380/440V	kW	12.5
Rated operational current in DC			
DC21A	48V	A	63
	60V	A	50
	110V	A	8
	220V	A	1
DC23A (poles in series)	24V	A	50 (1)
	48V	A	50 (2)
	60V	A	50 (3)
	110V	A	25 (3)
	220V	A	15 (4)
DC13	24V	A	63
	48V	A	40
	60V	A	28
	110V	A	3.3
Power dissipation		W	3.4
<b>Mechanical features</b>			
Terminals screw			M5
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable	min	AWG	14
	Max	AWG	6
AWG - Flexible cable	min	AWG	14
	Max	AWG	8
Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	10
Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	16
Mechanical life		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	7.5
	240V	HP	15
	480V	HP	25
	600V	HP	25
for single-phase motor	120V	HP	3
	240V	HP	10
<b>Ambient conditions</b>			
Temperature			
Operating temperature	min	°C	-25
	max	°C	+55
Storage temperature	min	°C	-40
	max	°C	+70

