

Product designation				Rotary cam switches
Product type designation				7GN63
General characteristics				
Switching diagram				136 - Multi-step 0-1-2-3 3 poles
N° of elements				5
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	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	A	1600	
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
Mechanical features				
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 ²		2.5
	Max	mm ²		10
Conductor size (IEC) - Rigid cable				
	min	mm ²		2.5
	Max	mm ²		16
Mechanical life			cycles	5x10 ⁶
UL technical data				
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
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