

Product designation				Rotary cam switches
Product type designation				GN63
<b>General characteristics</b>				
Switching diagram				13
N° of elements				4
Options				IEC IP65 front plate
<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 $I_{th}$	UL/CSA	A	60	
Rated operational voltage		V	480	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	63	
	25kA	A	63	
	50kA	A	63	
Rated short time current $I_{cw}$		1s	A	1600
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

### 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 <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>

### UL technical data

Motor power for direct-on-line control for three-phase motor	480V	HP	25
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### 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
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