

Product designation				Rotary cam switches	
Product type designation				GN63	
General characteristics					
Switching diagram				53	
N° of elements				3	
Options				Enlarged plate	
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}	UL/CSA	A	60		
			V	480	
Rated operational voltage	10kA	A	63		
	25kA	A	63		
	50kA	A	63		
			1s	A	1600
Rated short time current I_{cw}	AC1/AC21A		A	63	
	AC15		110V	A	32
			220/230V	A	25
			380/400V	A	15
			660/690V	A	4
	Three-phase AC-3		220/230V	kW	11
			380/440V	kW	18.5
		500/690V	kW	18.5	
Rated operational power in AC	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 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				
	480V	HP		25

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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