

Product designation				Rotary cam switches	
Product type designation				GN25	
General characteristics					
Switching diagram				77	
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	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	25		
	25kA	A	25		
Rated short time current I_{cw}			1s	A	
				400	
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
			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
	DC23A (poles in series)				
			24V	A	25 (1)
			48V	A	25 (2)
			60V	A	25 (3)

	110V	A	12 (3)
	220V	A	10 (4)
DC13	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4

Mechanical features

Terminals screw M3.5

Tightening torque for terminals max Nm 0.8

Conductor size

AWG - Rigid cable	min	AWG	20
	Max	AWG	10

AWG - Flexible cable	min	AWG	20
	Max	AWG	12

Conductor size (IEC) - Flexible cable	min	mm ²	0.5
	Max	mm ²	4

Conductor size (IEC) - Rigid cable	min	mm ²	0.5
	Max	mm ²	4

Mechanical life cycles 5x10⁶

UL technical data

Motor power for direct-on-line control for three-phase motor	480V	HP	10
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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