

Product designation				Rotary cam switches
Product type designation				GN12
<b>General characteristics</b>				
Switching diagram				55
N° of elements				2
<b>Contact characteristics</b>				
Rated insulation voltage Ui	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage Uimp			kV	8
Conventional free air thermal current Ith	IEC/EN	A	125	
	UL/CSA	A	130	
Rated operational voltage			V	690
Maximum fuse size for short-circuit protection In (gG)	10kA	A	125	
	25kA	A	100	
	50kA	A	100	
	63kA	A	100	
Rated short time current Icw			1s	A
				2100
Operational current Ie IEC/EN	AC1/AC21A			A
				125
AC15	110V	A	40	
	220/230V	A	28	
	380/400V	A	15	
	660/690V	A	5	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	18.5	
	380/440V	kW	37	
	500/690V	kW	33	
	Single-phase AC-3			
	110V	kW	5	
	220/230V	kW	11	
	380/440V	kW	15	
	Three-phase AC23A			
	220/230V	kW	30	
	380/440V	kW	45	
	500/690V	kW	37	
Single-phase AC23A				
110V	kW	5		
220/230V	kW	11		
380/440V	kW	15		
Rated operational current in DC	DC21A			
	48V	A	125	
	60V	A	80	
	110V	A	10	
	220V	A	1.2	

DC23A (poles in series)			
	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
DC13			
	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4

### Mechanical features

Terminals screw			M2X5
Tightening torque for terminals max		Nm	2
Conductor size	AWG - Rigid cable		
	min	AWG	14
	Max	AWG	1/0
	AWG - Flexible cable		
	min	AWG	14
	Max	AWG	1/0
Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	2.5
Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	50
Mechanical life		cycles	1x10 <sup>6</sup>

### UL technical data

Motor power for direct-on-line control for three-phase motor	600V	HP	40
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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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