

Product designation				Rotary cam switches	
Product type designation				GN12	
General characteristics					
Switching diagram				57	
Options				IEC IP65 front plate	
Contact characteristics					
Rated insulation voltage U_i	IEC/EN	V	690		
	UL/CSA	V	600		
Rated impulse withstand voltage U_{imp}		kV	8		
Conventional free air thermal current I_{th}	IEC/EN	A	125		
	UL/CSA	A	130		
Rated operational voltage		V	690		
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	125		
	25kA	A	100		
	50kA	A	100		
	63kA	A	100		
Rated short time current I_{cw}		1s	A	2100	
Operational current I_e 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 ²	2.5
Conductor size (IEC) - Rigid cable	min	mm ²	2.5
	Max	mm ²	50
Mechanical life		cycles	1x10 ⁶

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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