

Product designation				Rotary cam switches
Product type designation				GN12
<b>General characteristics</b>				
Switching diagram				60
<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 $I_{th}$	IEC/EN	A	16	
	UL/CSA	A	15	
Rated operational voltage			V	480
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16	
	25kA	A	10	
Rated short time current $I_{cw}$			1s	A
				200
Operational current $I_e$ IEC/EN	AC1/AC21A			A
	AC15			
	110V	A	10	
	220/230V	A	8	
	380/400V	A	4	
	660/690V	A	1.5	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	2.5	
	380/440V	kW	4	
	500/690V	kW	5.5	
	Single-phase AC-3			
	110V	kW	0.8	
	220/230V	kW	1.5	
	380/440V	kW	2.2	
	Three-phase AC23A			
	220/230V	kW	3	
	380/440V	kW	5.5	
	500/690V	kW	7.5	
	Single-phase AC23A			
	110V	kW	0.8	
	220/230V	kW	1.7	
	380/440V	kW	3	
Rated operational current in DC	DC21A			
	48V	A	12	
	60V	A	12	
	110V	A	4	
	220V	A	0.6	
	440V	A	0.25	
	DC23A (poles in series)			
	24V	A	10 (1)	

	48V	A	10 (2)
	60V	A	10 (3)
	110V	A	5 (3)
	220V	A	5 (4)
DC13	24V	A	12
	48V	A	10
	60V	A	8
	110V	A	1
	220V	A	0.4
	440V	A	0.15
<b>Mechanical features</b>			
Terminals screw			M3
Tightening torque for terminals max		Nm	0.5
Conductor size	AWG - Rigid cable		
	min	AWG	20
	Max	AWG	14
	AWG - Flexible cable		
	min	AWG	20
	Max	AWG	16
	Conductor size (IEC) - Flexible cable		
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	2.5
	Conductor size (IEC) - Rigid cable		
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	2.5
Mechanical life		cycles	3x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control for three-phase motor	240V	HP	3
<b>Ambient conditions</b>			
Temperature	Operating temperature		
	min	°C	-25
	max	°C	+55
	Storage temperature		
	min	°C	-40
	max	°C	+70
<b>Resistance &amp; Protection</b>			
Frontal IP degree			IP40
Terminals IP degree			IP00
<b>ETIM classification</b>			
ETIM 8.0			EC001105 - Off-load switch