

Product designation				Rotary cam switches
Product type designation				GN25
<b>General characteristics</b>				
Switching diagram				40
<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	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
<b>Mechanical features</b>			
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 <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Mechanical life		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control for three-phase motor			
	480V	HP	10
<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			EC001029 - Selector switch, complete