

Product designation				Rotary cam switches
Product type designation				7GN40
General characteristics				
Switching diagram				19 - Dahlander motor control switch 0-1-2
N° of elements				4
Mounting form				U - Front mounting with black handle
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	40	
	UL/CSA	A	50	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	40	
	15kA	A	40	
	25kA	A	40	
	50kA	A	40	
	63kA	A	40	
Rated short time current I_{cw}			1s	A
				1000
Conductivity				10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A		A	40
	AC15			
		110V	A	25
		220/230V	A	22
		380/400V	A	12
		660/690V	A	2
Rated operational power in AC	Three-phase AC-3			
			220/230V	kW
			380/440V	kW
			500/690V	kW
				8
				15
				15
	Single-phase AC-3			
			110V	kW
			220/230V	kW
			380/440V	kW
				3
			6.5	
			8	
Three-phase AC23A				
		220/230V	kW	
		380/440V	kW	
		500/690V	kW	
			8	
			18.5	
			22	
Single-phase AC23A				
		110V	kW	
			3	

	220/230V	kW	6
	380/440V	kW	11
Rated operational current in DC			
DC21A			
	48V	A	40
	60V	A	40
	110V	A	6
	220V	A	0.9
DC23A (poles in series)			
	24V	A	40 (1)
	48V	A	40 (2)
	60V	A	40 (3)
	110V	A	20 (3)
	220V	A	12 (4)
DC13			
	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
Power dissipation		W	2.0
Mechanical features			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
Conductor size			
AWG - Rigid cable			
	min	AWG	16
	Max	AWG	8
AWG - Flexible cable			
	min	AWG	16
	Max	AWG	10
Conductor size (IEC) - Flexible cable			
	min	mm ²	1.5
	Max	mm ²	6
Conductor size (IEC) - Rigid cable			
	min	mm ²	1.5
	Max	mm ²	10
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20
for single-phase motor			
	120V	HP	2
	240V	HP	5
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