

Product designation				Rotary cam switches
Product type designation				7GN63
General characteristics				
Switching diagram				13 - Dahlander motor control switch 1-0-2
N° of elements				4
Mounting form				Front mounting with black handle (U)
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	63	
	UL/CSA	A	60	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	63	
	15kA	A	63	
	25kA	A	63	
	50kA	A	63	
	63kA	A	63	
Rated short time current I_{cw}			1s	A
				1600
Conductivity				10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A			A
				63
AC15	110V	A	32	
	220/230V	A	25	
	380/400V	A	15	
	660/690V	A	4	
Rated operational power in AC	Three-phase AC3			
	220/230V	kW	11	
	380/440V	kW	18.5	
	500/690V	kW	18.5	
	Single-phase AC3			
	110V	kW	3.7	
	220/230V	kW	6.5	
	380/440V	kW	11.5	
	Three-phase AC23A			
	220/230V	kW	12.5	
	380/440V	kW	30	
	500/690V	kW	30	
Single-phase AC23A				
110V	kW	3.7		
220/230V	kW	7.5		

	380/440V	kW	12.5
Rated operational current in DC			
DC21A	48V	A	63
	60V	A	50
	110V	A	8
	220V	A	1
DC23A (poles in series)	24V	A	50 (1)
	48V	A	50 (2)
	60V	A	50 (3)
	110V	A	25 (3)
	220V	A	15 (4)
DC13	24V	A	63
	48V	A	40
	60V	A	28
	110V	A	3.3
Power dissipation		W	3.4
Mechanical features			
Terminals screw			M5
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable	min	AWG	14
	Max	AWG	6
AWG - Flexible cable	min	AWG	14
	Max	AWG	8
Conductor size (IEC) - Flexible cable	min	mm ²	2.5
	Max	mm ²	10
Conductor size (IEC) - Rigid cable	min	mm ²	2.5
	Max	mm ²	16
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	7.5
	240V	HP	15
	480V	HP	25
	600V	HP	25
for single-phase motor	120V	HP	3
	240V	HP	10
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

Dimensions

Wiring diagrams

Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001105 - Off-load switch