

Product designation	Rotary cam switches		
Product type designation	7GN125		
General characteristics			
Switching diagram	13 - Dahlander motor control switch 1-0-2		
N° of elements	4		
Mounting form	U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers		
Contact characteristics			
Rated insulation voltage U_i	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage U_{imp}		kV	6
Conventional free air thermal current I_{th}	IEC/EN UL/CSA	A A	125 130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection I_n (gG)	10kA 15kA 25kA 50kA 63kA	A	125 100 100 100 100
Rated short time current I_{cw}	1s	kA	2100
Conductivity			10/5 mA/V
Operational current I_e IEC/EN			
AC1/AC21A		A	125
AC15	110V 220/230V 380/400V 660/690V	A	40 28 15 5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW	18.5 37 33
Single-phase AC-3	110V 220/230V 380/440V	kW	5 11 15
Three-phase AC23A	220/230V 380/440V 500/690V	kW	30 45 37

ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 125A,
FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND
PROTECTION COVERS, FRONT PLATE 90X90MM

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
Power dissipation		W	6.3
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
	Max	mm ²	50
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	120V	HP	15
	240V	HP	25
	480V	HP	50
	600V	HP	40
for single-phase motor	120V	HP	5
	240V	HP	15
Ambient conditions			
Temperature			
Operating temperature	min	°C	-25
	max	°C	+55

Storage temperature

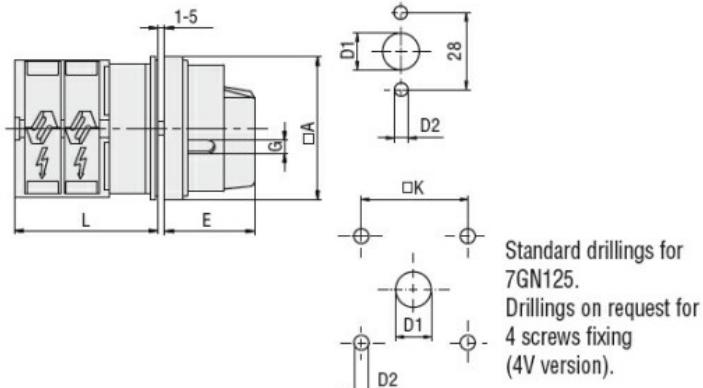
min °C -40
max °C +70

Resistance & Protection

Frontal IP degree IP40

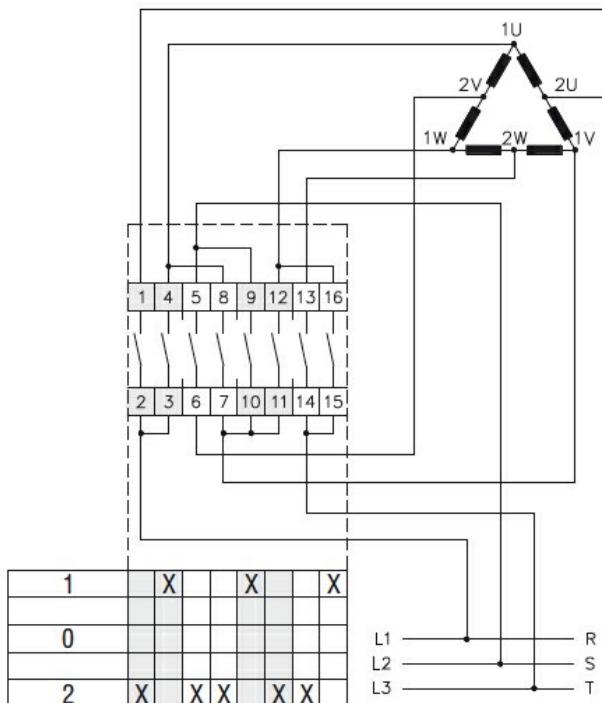
Terminals IP degree IP00

Dimensions



Series	Dimensions						L			
	□A	D1	D2	E	G	□K	1	2	3.....12	
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

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

EAC

UL

ETIM classification

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FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND
PROTECTION COVERS, FRONT PLATE 90X90MM

ETIM 8.0

EC001029 -
Selector switch,
complete