

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 Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	A	125
	UL/CSA	A	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)	10kA	A	125
	15kA	A	100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current Icw	1s	kA	2100
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A		A	125
AC15	110V	A	40
	220/230V	A	28
	380/400V	A	15
	660/690V	A	5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Single-phase AC-3	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
Three-phase AC23A	220/230V	kW	30
	380/440V	kW	45
	500/690V	kW	37

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 1X10⁶

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

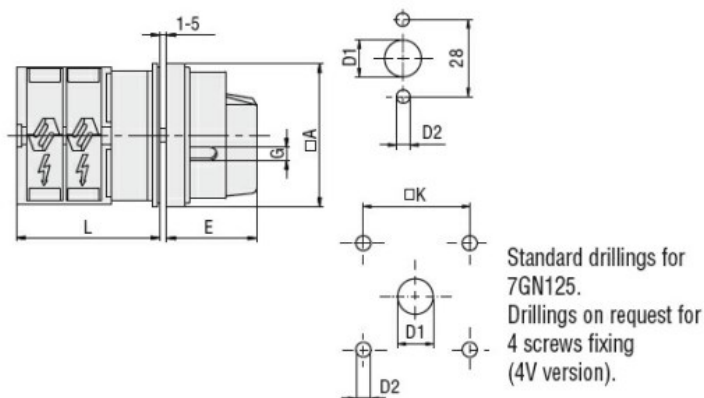
min °C -40
max °C +70

Resistance & Protection

Frontal IP degree IP40

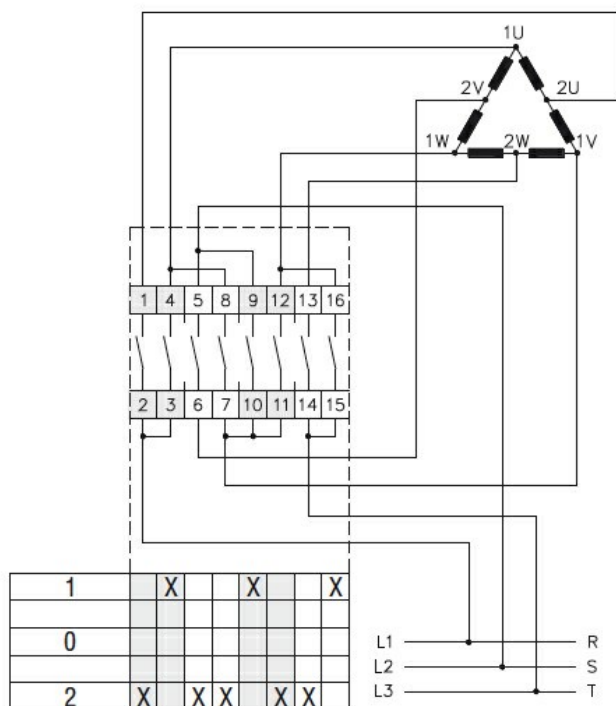
Terminals IP degree IP00

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

ETIM 8.0

EC001029 -
Selector switch,
complete