

Product designation	Rotary cam switches
Product type designation	7GN25
General characteristics	
Switching diagram	26 - 3-phase motor reversing switch with spring return
N° of elements	3
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 25 UL/CSA A 30
Rated operational voltage	V 480
Rated operational impulse voltage	kV 4
Maximum fuse size for short-circuit protection In (gG)	10kA A 25 15kA A 25 25kA A 25
Rated short time current Icw	1s kA 400
Conductivity	10/5 mA/V
Operational current le 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 5.5 380/440V kW 7.5 500/690V 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	

ROTARY CAM SWITCH 7GN SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

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

Power dissipation

W 1.1

Mechanical features

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 ²	0.5
Max	mm ²	4

Conductor size (IEC) - Rigid cable

min	mm ²	0.5
Max	mm ²	4

Mechanical life

cycles 5x10⁶

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	3
240V	HP	5
480V	HP	10
600V	HP	15

for single-phase motor

120V	HP	1.5
240V	HP	3

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

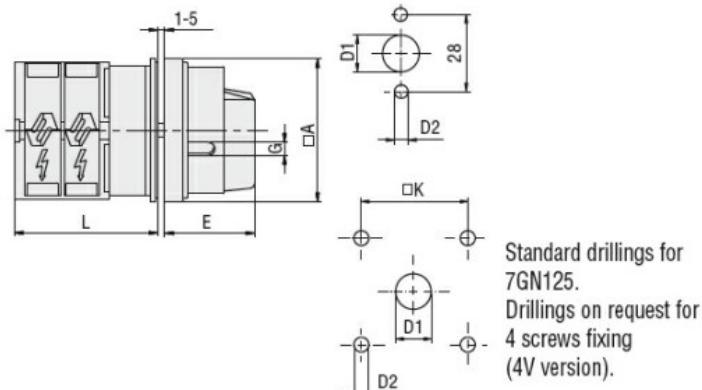
min °C -40
max °C +70

Resistance & Protection

Frontal IP degree IP40

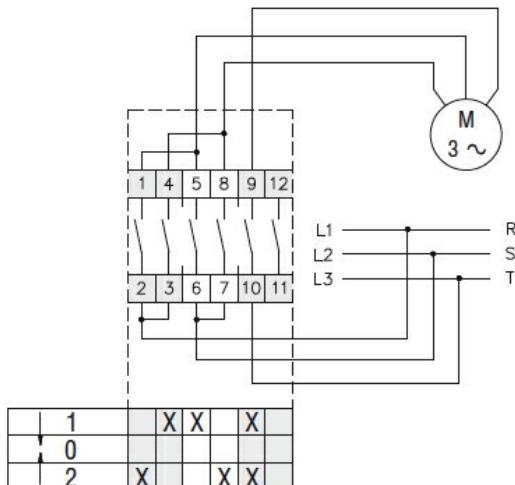
Terminals IP degree IP00

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

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete