

Product designation	Rotary cam switches		
Product type designation	7GN32		
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 UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	32 40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA 50kA	A A A A	32 32 32 32
Rated short time current Icw	1s	kA	800
Conductivity	10/5 mA/V		
Operational current Ie IEC/EN			
AC1/AC21A		A	32
AC15	110V 220/230V 380/400V 660/690V	A A A A	25 20 10 2
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	7.5 11 11
Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	2.2 4 6.5
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	8 15 18.5

### Single-phase AC23A

110V	kW	2.2
220/230V	kW	4
380/440V	kW	7.5

### Rated operational current in DC

#### DC21A

48V	A	32
60V	A	32
110V	A	6
220V	A	0.9

#### DC23A (poles in series)

24V	A	32 (1)
48V	A	32 (2)
60V	A	32 (3)
110V	A	15 (3)
220V	A	12 (4)

#### DC13

24V	A	32
48V	A	25
60V	A	16
110V	A	3
220V	A	0.5

### Power dissipation

W	1.5
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### Mechanical features

#### Terminals screw

M4

#### Tightening torque for terminals max

Nm	1.2
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### 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 <sup>2</sup>	1.5
Max	mm <sup>2</sup>	4

#### Conductor size (IEC) - Rigid cable

min	mm <sup>2</sup>	1.5
Max	mm <sup>2</sup>	6

### Mechanical life

cycles	5x10 <sup>6</sup>
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### UL technical data

#### Motor power for direct-on-line control

##### for three-phase motor

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

##### for single-phase motor

120V	HP	2
240V	HP	5

### Ambient conditions

#### Temperature

##### Operating temperature

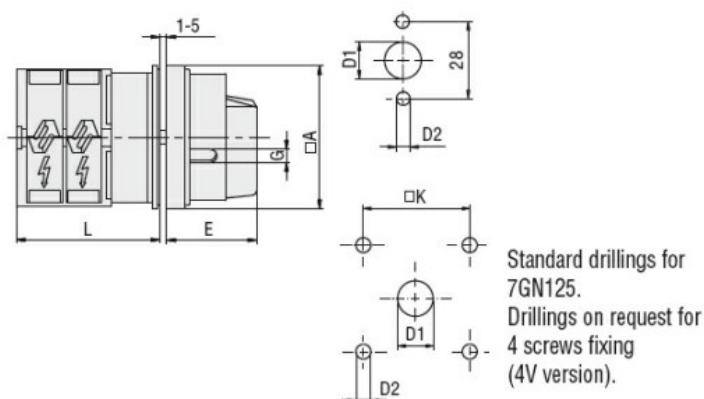
min	°C	-25
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	max	°C	+55
Storage temperature	min	°C	-40
	max	°C	+70

#### Resistance & Protection

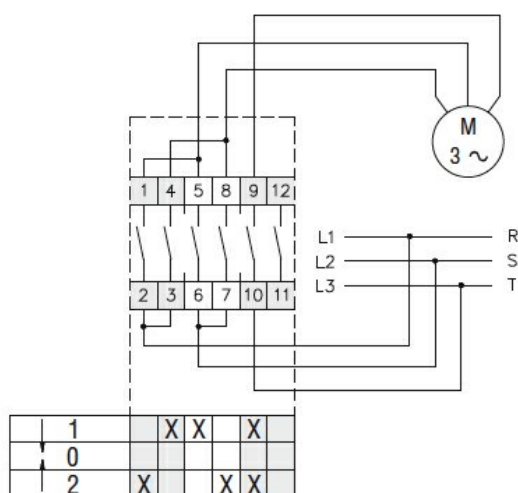
Frontal IP degree	IP40
Terminals IP degree	IP00

#### 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