

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

Single-phase AC23A	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	7.5
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Rated operational current in DC			
DC21A	48V	A	32
	60V	A	32
	110V	A	6
	220V	A	0.9
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DC23A (poles in series)	24V	A	32 (1)
	48V	A	32 (2)
	60V	A	32 (3)
	110V	A	15 (3)
	220V	A	12 (4)
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DC13	24V	A	32
	48V	A	25
	60V	A	16
	110V	A	3
	220V	A	0.5
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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
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AWG - Flexible cable	min	AWG	16
	Max	AWG	10
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Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	4
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Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
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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
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for single-phase motor	120V	HP	2
	240V	HP	5
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Ambient conditions			
Temperature			
Operating temperature	min	°C	-25

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

### Resistance & Protection

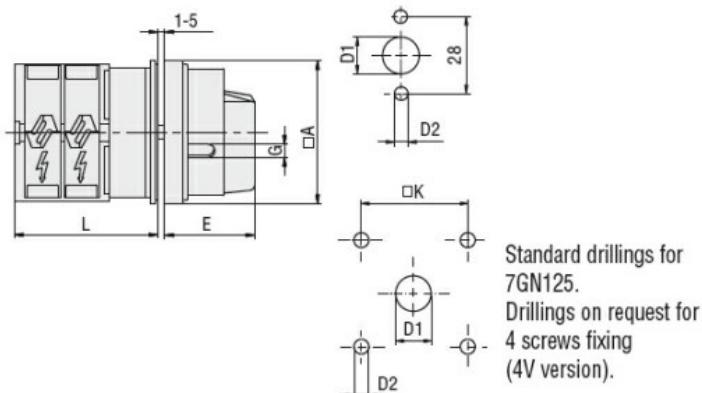
Frontal IP degree

IP40

Terminals IP degree

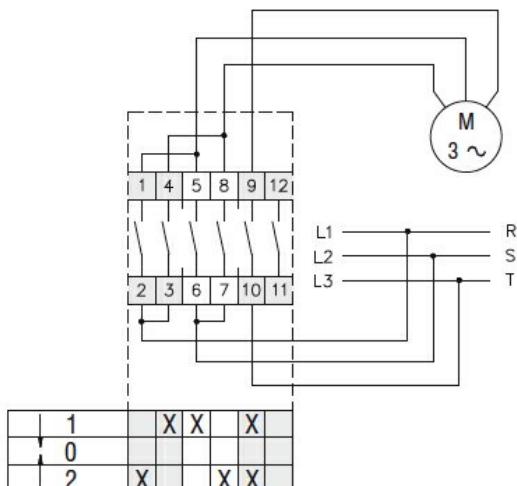
IP00

### 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