

General characteristics

Switching diagram	08 - ON/OFF switch 4 poles
N° of elements	2
Mounting form	O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling 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	20		
	UL/CSA	A	20		
Rated operational voltage		V	480		
Rated operational impulse voltage		kV	4		
Maximum fuse size for short-circuit protection In (gG)	10kA	A	20		
	15kA	A	16		
	25kA	A	16		
Rated short time current Icw	1s	kA	250		
Conductivity			10/5 mA/V		
Operational current Ie IEC/EN	AC1/AC21A				
		A	20		
	AC15	110V	A	10	
		220/230V	A	8	
		380/400V	A	6	
		660/690V	A	1.5	
	Rated operational power in AC	Three-phase AC-3	220/230V	kW	3
			380/440V	kW	5.5
			500/690V	kW	5.5
		Single-phase AC-3	110V	kW	0.8
220/230V			kW	2.2	
380/440V			kW	3	
Three-phase AC23A		220/230V	kW	5	
		380/440V	kW	7.5	
		500/690V	kW	7.5	
Single-phase AC23A	110V	kW	0.8		
	220/230V	kW	2.5		
	380/440V	kW	3.7		
Rated operational current in DC					

DC21A

48V	A	20
60V	A	20
110V	A	4
220V	A	0.6
440V	A	0.25

DC23A (poles in series)

24V	A	20 (1)
48V	A	20 (2)
60V	A	20 (3)
110V	A	10 (3)
220V	A	8 (4)

DC13

24V	A	20
48V	A	16
60V	A	12
110V	A	1
220V	A	0.4
440V	A	0.15

Power dissipation	W	0.8
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Mechanical features

Terminals screw	M3
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Tightening torque for terminals max	Nm	0.5
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Conductor size

AWG - Rigid cable

min	AWG	20
Max	AWG	12

AWG - Flexible cable

min	AWG	20
Max	AWG	14

Conductor size (IEC) - Flexible cable

min	mm ²	0.5
Max	mm ²	2.5

Conductor size (IEC) - Rigid cable

min	mm ²	0.5
Max	mm ²	2.5

Mechanical life	cycles	5x10 ⁶
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UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	1.5
240V	HP	3
480V	HP	7.5
600V	HP	10

for single-phase motor

120V	HP	0.75
240V	HP	2

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
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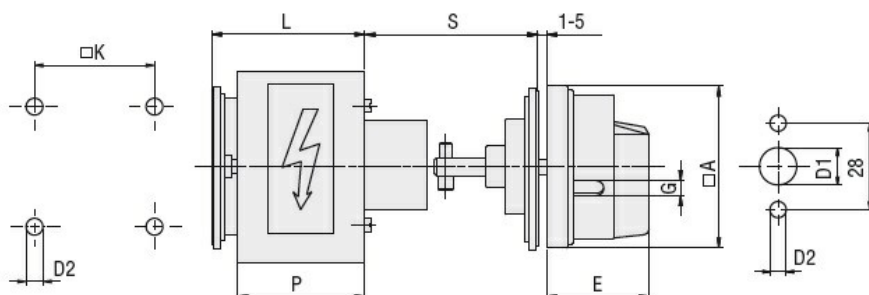
max °C +70

Resistance & Protection

Frontal IP degree IP40

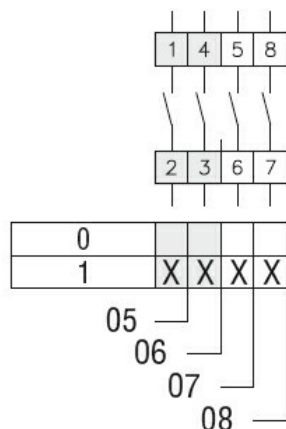
Terminals IP degree IP00

Dimensions



Series	Dimensions								
	□A	D1	D2	E	G	□K	S	P	L
7GN12	65	12	5	34.2	5	36	45-55	43	51.3
7GN20	65	12	5	34.2	5	36	45-55	43	51.3
7GN25	65	12	5	34.2	5	36	45-55	51	59.6
7GN32	65	14	5	38	6	48	45-55	55	68.7
7GN40	65	14	5	38	6	48	45-55	55	68.7

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