

Product designation			Rotary cam switches		
Product type designation			7GN20		
General characteristics					
Switching diagram			05 - ON/OFF switch 1 pole		
N° of elements			1		
Mounting form			U - Front mounting with black handle		
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 <sup>2</sup>	0.5
Max	mm <sup>2</sup>	2.5

## Conductor size (IEC) - Rigid cable

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	2.5

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	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

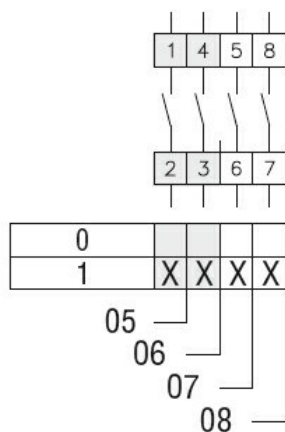
## Resistance & Protection

Frontal IP degree IP40

Terminals IP degree IP00

## Dimensions

## 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

EC001105 - Off-load switch