



Product designation

Rotary cam
switches
GN63

Product type designation

General characteristics

Switching diagram

90

N° of elements

1

Contact characteristics

Rated insulation voltage U_i

IEC/EN	V	690
UL/CSA	V	600

Rated impulse withstand voltage U_{imp}

kV	6
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Conventional free air thermal current I_{th}

UL/CSA	A	60
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Rated operational voltage

V	480
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Maximum fuse size for short-circuit protection I_n (gG)

10kA	A	63
25kA	A	63
50kA	A	63

Rated short time current I_{cw}

1s	A	1600
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Operational current I_e IEC/EN

AC1/AC21A

A	63
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AC15

110V	A	32
220/230V	A	25
380/400V	A	15
660/690V	A	4

Rated operational power in AC

Three-phase AC-3

220/230V	kW	11
380/440V	kW	18.5
500/690V	kW	18.5

Single-phase AC-3

110V	kW	3.7
220/230V	kW	6.5
380/440V	kW	11.5

Three-phase AC23A

220/230V	kW	12.5
380/440V	kW	30
500/690V	kW	30

Single-phase AC23A

110V	kW	3.7
220/230V	kW	7.5
380/440V	kW	12.5

Rated operational current in DC
DC21A

48V	A	63
60V	A	50
110V	A	8
220V	A	1

DC23A (poles in series)

24V	A	50 (1)
48V	A	50 (2)
60V	A	50 (3)
110V	A	25 (3)
220V	A	15 (4)

DC13

24V	A	63
48V	A	40
60V	A	28
110V	A	3.3

Mechanical features

Terminals screw		M5
Tightening torque for terminals max	Nm	2

Conductor size

AWG - Rigid cable

min	AWG	14
Max	AWG	6

AWG - Flexible cable

min	AWG	14
Max	AWG	8

Conductor size (IEC) - Flexible cable

min	mm ²	2.5
Max	mm ²	10

Conductor size (IEC) - Rigid cable

min	mm ²	2.5
Max	mm ²	16

Mechanical life	cycles	5x10 ⁶
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UL technical data

Motor power for direct-on-line control
for three-phase motor

480V	HP	25
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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

ETIM classification

ETIM 8.0

EC001105 - Off-load switch