

Product designation	Rotary cam switches												
Product type designation	GX20												
General characteristics													
Switching diagram	67 - Voltmeter switch for phase-phase voltages												
N° of elements	2												
Mounting form	O - Rear mounting with black handle												
Contact characteristics													
Rated insulation voltage Ui	<table> <tr> <td>IEC/EN</td><td>V</td><td>690</td></tr> <tr> <td>UL/CSA</td><td>V</td><td>600</td></tr> </table>	IEC/EN	V	690	UL/CSA	V	600						
IEC/EN	V	690											
UL/CSA	V	600											
Rated impulse withstand voltage Uimp	kV 6												
Conventional free air thermal current Ith	<table> <tr> <td>IEC/EN</td><td>A</td><td>20</td></tr> <tr> <td>UL/CSA</td><td>A</td><td>15</td></tr> </table>	IEC/EN	A	20	UL/CSA	A	15						
IEC/EN	A	20											
UL/CSA	A	15											
Rated operational voltage	V 440												
Rated operational impulse voltage	kV 4												
Maximum fuse size for short-circuit protection In (gG)	<table> <tr> <td>10kA</td><td>A</td><td>20</td></tr> <tr> <td>15kA</td><td>A</td><td>20</td></tr> <tr> <td>25kA</td><td>A</td><td>20</td></tr> </table>	10kA	A	20	15kA	A	20	25kA	A	20			
10kA	A	20											
15kA	A	20											
25kA	A	20											
Rated short time current Icw	1s A 250												
Conductivity	10/5 mA/V												
Operational current Ie IEC/EN													
AC1/AC21A	A 20												
AC15	<table> <tr> <td>110V</td><td>A</td><td>10</td></tr> <tr> <td>220/230V</td><td>A</td><td>8</td></tr> <tr> <td>380/400V</td><td>A</td><td>6</td></tr> <tr> <td>660/690V</td><td>A</td><td>1.5</td></tr> </table>	110V	A	10	220/230V	A	8	380/400V	A	6	660/690V	A	1.5
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	<table> <tr> <td>220/230V</td><td>kW</td><td>3.7</td></tr> <tr> <td>380/440V</td><td>kW</td><td>5.5</td></tr> <tr> <td>500/690V</td><td>kW</td><td>5.5</td></tr> </table>	220/230V	kW	3.7	380/440V	kW	5.5	500/690V	kW	5.5			
220/230V	kW	3.7											
380/440V	kW	5.5											
500/690V	kW	5.5											
Single-phase AC-3	<table> <tr> <td>110V</td><td>kW</td><td>0.75</td></tr> <tr> <td>220/230V</td><td>kW</td><td>1.8</td></tr> <tr> <td>380/440V</td><td>kW</td><td>3</td></tr> </table>	110V	kW	0.75	220/230V	kW	1.8	380/440V	kW	3			
110V	kW	0.75											
220/230V	kW	1.8											
380/440V	kW	3											
Three-phase AC23A	<table> <tr> <td>220/230V</td><td>kW</td><td>4</td></tr> <tr> <td>380/440V</td><td>kW</td><td>7.5</td></tr> <tr> <td>500/690V</td><td>kW</td><td>7.5</td></tr> </table>	220/230V	kW	4	380/440V	kW	7.5	500/690V	kW	7.5			
220/230V	kW	4											
380/440V	kW	7.5											
500/690V	kW	7.5											
Single-phase AC23A	<table> <tr> <td>110V</td><td>kW</td><td>0.75</td></tr> <tr> <td>220/230V</td><td>kW</td><td>2.2</td></tr> <tr> <td>380/440V</td><td>kW</td><td>3.5</td></tr> </table>	110V	kW	0.75	220/230V	kW	2.2	380/440V	kW	3.5			
110V	kW	0.75											
220/230V	kW	2.2											
380/440V	kW	3.5											

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 0.6

Mechanical features

Terminals screw M3

Tightening torque for terminals max Nm 0.8

Conductor size

AWG - Rigid cable

min	AWG	20
Max	AWG	12

AWG - Flexible cable

min	AWG	20
Max	AWG	12

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 1X10⁶

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	1.5
240V	HP	3
480V	HP	5
600V	HP	5

for single-phase motor

120V	HP	0.75
240V	HP	1.5

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree

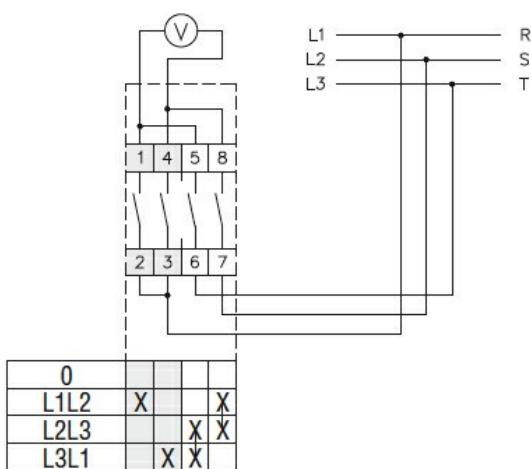
IP65

Terminals IP degree

IP20

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

IEC/EN/BS 61058-1

UL60947-4-1

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete