

Product designation			Rotary cam switches		
Product type designation			GX20		
General characteristics					
Switching diagram			20 - Dahlander motor 2-speed reversing switch		
N° of elements			6		
Mounting form			O - Rear 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	15
Rated operational voltage			V	440	
Rated operational impulse voltage			kV	4	
Maximum fuse size for short-circuit protection In (gG)			10kA	A	20
			15kA	A	20
			25kA	A	20
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	3.7
			380/440V	kW	5.5
			500/690V	kW	5.5
Single-phase AC-3			110V	kW	0.75
			220/230V	kW	1.8
			380/440V	kW	3
Three-phase AC23A			220/230V	kW	4
			380/440V	kW	7.5
			500/690V	kW	7.5
Single-phase AC23A			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

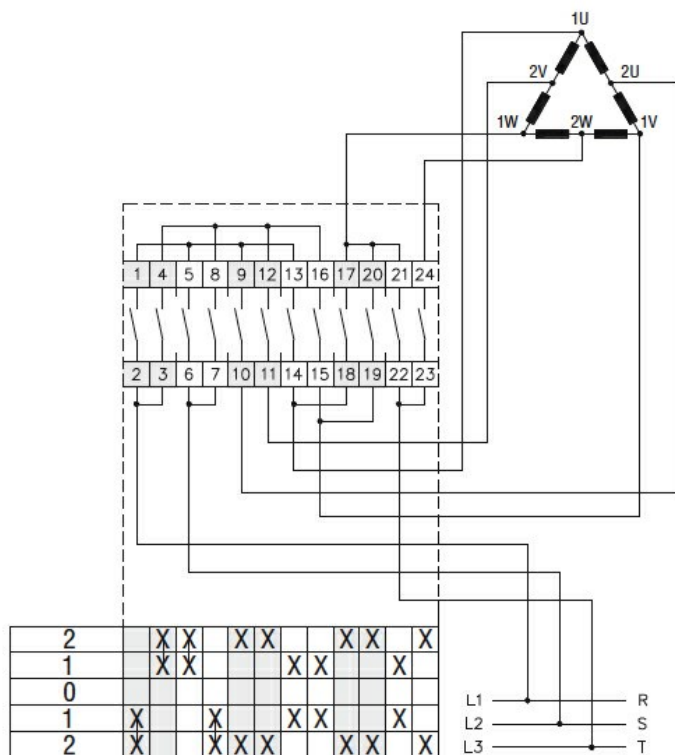
Resistance & Protection

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