



Product type designation	GX20		
General characteristics			
Switching diagram	92		
N° of elements	2		
Contact characteristics			
Rated insulation voltage U_i	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage U_{imp}		kV	6
Conventional free air thermal current I_{th}	UL/CSA	A	15
Rated operational voltage		V	440
Maximum fuse size for short-circuit protection I_n (gG)	25kA	A	16
Rated short time current I_{cw}	1s	A	250
Operational current I_e IEC/EN			
AC1/AC21A		A	20
AC15	110V	A	10
	220/230V	A	8
	660/690V	A	3.7
Rated operational power in AC			
Single-phase AC-3	380/440V	kW	3
Three-phase AC23A	380/440V	kW	7.5
Single-phase AC23A	380/440V	kW	3.5
Rated operational current in DC			
DC21A	48V	A	20
	60V	A	20
	110V	A	4
	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

Mechanical features

Terminals screw		M3
Tightening torque for terminals max	Nm	0.8

Conductor size

AWG - Rigid cable

min	AWG	20
Max	AWG	14

AWG - Flexible cable

min	AWG	20
-----	-----	----

Conductor size (IEC) - Flexible cable

min	mm ²	0.5
Max	mm ²	2.5

Conductor size (IEC) - Rigid cable

Max	mm ²	2.5
-----	-----------------	-----

Mechanical life	cycles	5x10 ⁶
-----------------	--------	-------------------

UL technical data

Motor power for direct-on-line control

for three-phase motor

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
---------------------	------

ETIM classification

ETIM 8.0	EC001105 - Off-load switch
----------	----------------------------