



Product designation	Rotary cam switches		
Product type designation	GF20		
General characteristics	03 - ON/OFF spring return switch 3 poles		
Switching diagram	2		
N° of elements	U47 - Snap on front mounting with black handle for hole diam. 22mm fixning		
Mounting form			
Contact characteristics			
Rated insulation voltage U_i	IEC/EN UL/CSA	V V	480 240
Rated impulse withstand voltage U_{imp}		kV	4
Conventional free air thermal current I_{th}	IEC/EN UL/CSA	A A	20 15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA 15kA 25kA	A	20 20 20
Rated short time current I_{cw}	1s	kA	250
Conductivity			10/5 mA/V
Operational current I_e IEC/EN			
AC1/AC21A		A	20
AC15	110V 220/230V 380/400V	A	10 8 6
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V	kW	3 5
Single-phase AC-3	110V 220/230V 380/440V	kW	0.5 1.5 2
Three-phase AC23A			

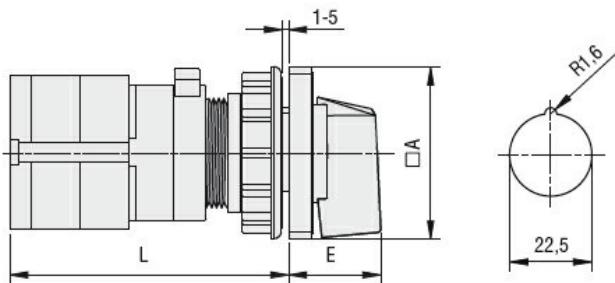
ROTARY CAM SWITCH GF SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

	220/230V	kW	4
	380/440V	kW	7.5
Single-phase AC23A			
	110V	kW	0.75
	220/230V	kW	2
	380/440V	kW	2.5
Rated operational current in DC			
DC21A			
	48V	A	20
	60V	A	20
	110V	A	4
	220V	A	0.7
	440V	A	0.2
DC13			
	24V	A	6
	48V	A	6
	60V	A	3
	110V	A	1
	220V	A	0.4
	440V	A	0.15
Power dissipation			
Mechanical features			
Terminals screw			
Tightening torque for terminals max			
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			
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	240V	HP	3
for single-phase motor			
	240V	HP	1
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

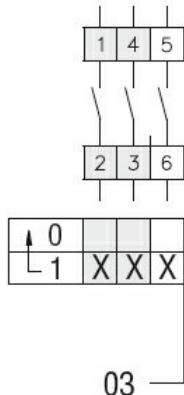
IP20

Dimensions



Series	Dimensions		L			
	□A	E	1	2	3.....8	
GF10	30	18.5	60	72	84	144
GF20	48	26.5	56	69.5	83	150.5

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

cULus

EAC

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete