

ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 2 POLES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Product designation			Rotary cam switches
Product type designation			GF20
General characteristics			
Switching diagram			91 - ON/OFF
N° of elements			switch 2 poles
N of elements			O48 - Modular
			service cover for
Mounting form			35mm din rail
			mounting with black handle
Contact characteristics			black nandle
Rated insulation voltage Ui			
	IEC/EN	V	480
	UL/CSA	V	240
Rated impulse withstand voltage Uimp		kV	4
Conventional free air thermal current Ith			
	IEC/EN	Α	20
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	۸	20
	15kA	A A	20 20
	25kA	A	20
Rated short time current Icw	2010 (
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15	440)		4.0
	110V	A	10
	220/230V 380/400V	A A	8 6
Rated operational power in AC	300/4000		J
Three-phase AC-3			
e	220/230V	kW	3
	380/440V	kW	5
Single-phase AC-3			
	110V	kW	0.5
	220/230V	kW	1.5
Thursday A Occas	380/440V	kW	2
Three-phase AC23A	000/000/	1,111	4
	220/230V	kW	4



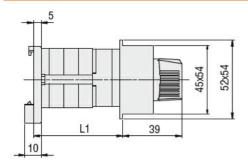
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Single-phase AC23A					
Single-phase AC23A			380/440V	kW	7.5
1100		Single-phase AC23A			
Rated operational current in DC DC21A		Cirigio pridoc / (C20/1	110\/	k\/\/	0.75
Rated operational current in DC DC21A					
Rated operational current in DC DC21A 48V					
DC21A	Data Lancational and		360/4401	KVV	2.3
Mathematical Mat	Rated operational curr				
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Con		DC21A			
110V				Α	
DC13			60V	Α	20
Mathematical life Math			110V	Α	4
DC13			220V	Α	0.7
DC13			440V	Α	0.2
Part		DC13			
Mechanical life			24V	Α	6
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Conduc					
Power dissipation					
Power dissipation W					
Mechanical features					
Power dissipation W 0.8					
Machanical features			440V		
Terminals screw M3 Nm 0.5				W	0.8
Tightening torque for terminals max	Mechanical features				
AWG - Rigid cable	Terminals screw				M3
AWG - Rigid cable	Tightening torque for t	erminals max		Nm	0.5
AWG - Rigid cable					
AWG - Flexible cable		AWG - Rigid cable			
AWG - Flexible cable		7 Trigid Gabio	min	ΔWG	20
AWG - Flexible cable min AWG 20 Max AWG 12					
Max AWG 20 Max AWG 12 AWG 12		ANAC Florible coble	IVIAX	AWG	12
Max AWG 12		AWG - Flexible cable		414/0	00
Conductor size (IEC) - Flexible cable					
Max min Max mm² Max 0.5 Max Conductor size (IEC) - Rigid cable min Max mm² Max 0.5 Max Mechanical life cycles 1x10° UL technical data Motor power for direct-on-line control cycles 1x10° for three-phase motor 240V HP 3 for single-phase motor 240V HP 1 Ambient conditions 240V HP 1 Temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70 Resistance & Protection Fontal IP degree IP40		-	Max	AWG	12
Max mm² 2.5		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable			min	mm²	0.5
Machanical life mm² bm² bm² bm² bm² bm² bm² bm² bm² bm²			Max	mm²	2.5
Max mm² 2.5 Mechanical life cycles 1x10° 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 Resistance & Protection Frontal IP degree IP40		Conductor size (IEC) - Rigid cable			
Max mm² 2.5 Mechanical life cycles 1x10° 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 Resistance & Protection Frontal IP degree IP40		· · ·	min	mm²	0.5
Mechanical life cycles 1x10s 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 min °C -25 max °C +55 Storage temperature Resistance & Protection Frontal IP degree IP40					
UL technical data Motor power for direct-on-line control 240V HP 3 for single-phase motor 240V HP 3 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	Mechanical life				
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				Cycles	IXIO
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		-on-line control			
March Storage temperature Storage temp	wotor power for direct				
Frontal IP degree For single-phase motor 240V HP 1		ioi inree-phase motor	0.4017		0
Ambient conditions Z40V HP 1			240V	HP	<u>3</u>
Ambient conditions Temperature		tor single-phase motor			
Operating temperature			240V	HP	1
Operating temperature min or commax °C vertical control contro					
min max °C -25 max -25 cm Storage temperature min °C -40 max °C +70 Resistance & Protection IP40	Temperature				
min min max °C -25 max -25 cm Storage temperature min °C -40 max °C +70 Resistance & Protection IP40		Operating temperature			
max °C +55 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40		-	min	°C	-25
Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40					
min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40		Storage temperature			
Resistance & Protection Frontal IP degree max °C +70 IP40		Storago tomporataro	min	°C	-40
Resistance & Protection Frontal IP degree IP40					
Frontal IP degree IP40	Desistance & But		max	U	+/U
		on			ID 40
Terminals IP degree IP20					
	Terminals IP degree				IP20

ENERGY AND AUTOMATION

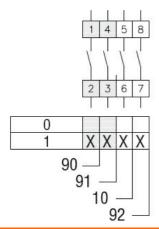
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Dimensions



Corios	L1			
Series	1	2	3	
GF20	40	53.5	67	

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