## ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 4 POLES 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



			Rotary cam
Product designation			switches
Product type designation			GF20
General characteristics			92 - ON/OFF
Switching diagram			switch 4 poles
N° of elements			2
Mounting form			O - Rear mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	480
	UL/CSA	V	240
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	4
Conventional free all thermal current ith	IEC/EN	Α	20
	UL/CSA	A	15
Rated operational voltage	ODOOR	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
, , ,	10kA	Α	20
	15kA	Α	20
	25kA	Α	20
Rated short time current lcw			
0 1 6 %	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
ACT/ACZTA		Α	20
AC15			20
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3
Circular all acces AO O	380/440V	kW	5
Single-phase AC-3	440\/	121/1/	0.5
	110V 220/230V	kW kW	0.5 1.5
	380/440V	kW	2
Three-phase AC23A	330/470 V	17.4.4	
	220/230V	kW	4
	380/440V	kW	7.5
Single-phase AC23A			

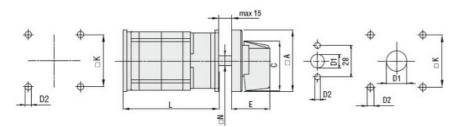


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		110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Data dan anational aun	ment in DO	300/440 V	N V V	2.5
Rated operational cur				
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.7
		440V		0.2
		440 V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals may		Nm	0.5
	terminais max		1 1111	0.0
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
	71100 T TONIBLE GUBIC	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	Conductor Size (IEO) Trigia cabic	min	mm²	0.5
		min	mm²	0.5
_		Max	mm²	2.5
Mechanical life			cycles	1x10 <sup>6</sup>
UL technical data				
Motor power for direc	t-on-line control			
politici foi alloo	for three-phase motor			
	ioi ililee-pilase motoi	0.40\/	D	0
		240V	HP	3
	for single-phase motor			
		240V	HP	1
Ambient conditions				
Temperature				
romporaturo	Operating temperature			
	Operating temperature	_	0	-
		min	°C	-25
		max	°C	+55
	Storage temperature			
	<b>5</b> ,	min	°C	-40
			°C	+70
D 11 0 D 1		max	U	T/U
Resistance & Protect	ion			
Frontal IP degree	ion			IP40
	ion			IP40 IP20
Frontal IP degree	ion 			

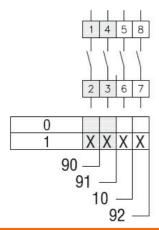
**ENERGY AND AUTOMATION** 

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Series	Dimensions						L Number of elements												
	□A	С	ØD1	ØD2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF20	48	39.5	12	5	26.5	36	□6	46	59.5	73	86.5	100	113.5	127	140.5	154	167.5	181	194.5

### 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