## electric ROTARY CAM SWITCH GF SERIES, MULTI-STEP 0-1-2-3, 1 POLE 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM **ENERGY AND AUTOMATION**

Product yee designation	Product designation				Rotary cam
Switching diagram	_	ion			
Switching diagram         108 - Multi-step 0-1-2-3 1 per 0-1-2-3 1 pe					GF20
N° of elements   2					
Mounting form   Mounting with black handle   Mounting with class   Mounting with class	N° of elements				
Rated insulation voltage Uim   IEC/EN   V   480   UI/CSA   V   240   V   2	Mounting form				mounting with
IEC/EN   V   480	Contact characteristics	s			
Rated impulse withstand voltage Uimp	Rated insulation voltage	ge Ui			
Rated impulse withstand voltage Uimp					
Conventional free air thermal current Ith	Data diamenta a mithata	a decelta de l'Usan	UL/CSA		
IEC/EN   A   15   15   15   15   16   16   17   16   17   18   18   18   18   18   18   18				KV	4
Rated operational voltage	Conventional free all t	nemiai curient itri	IEC/EN	Δ	20
Rated operational voltage					
Rated operational impulse voltage   Rated operational impulse voltage   Rated short-circuit protection In (gG)   10kA	Rated operational volt	age	02,007.		
10kA   A   20   15kA   A   20   25kA   A   20   20   25kA   A   20   20   25kA   A   20   20   25kA   A   20   20   20   20   20   20   20				kV	4
15kA	Maximum fuse size fo	r short-circuit protection In (gG)			
Rated short time current low				Α	
Rated short time current lcw					
Three-phase AC-3A   Three-phase AC23A   Thre	5		25kA	Α	20
Conductivity	Rated short time curre	ent Icw	4.0	۸	250
AC1/AC21A	Conductivity		18	A	
AC1/AC21A  AC15  AC15  110V A 10 220/230V A 8 380/400V A 6  Rated operational power in AC  Three-phase AC-3  Single-phase AC-3  110V kW 0.5 220/230V kW 5  Single-phase AC-3  110V kW 0.5 220/230V kW 1.5 380/440V kW 2  Three-phase AC23A  110V kW 0.5 220/230V kW 1.5 380/440V kW 7.5  Single-phase AC23A  110V kW 0.5 220/230V kW 1.5 380/440V kW 2  Three-phase AC23A  110V kW 0.75 220/230V 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		IFC/FN			10/3 111/4 1
AC15  AC15  110V A 10 220/230V A 8 380/400V A 6  Rated operational power in AC  Three-phase AC-3  220/230V kW 3 380/440V kW 5  Single-phase AC-3  110V kW 0.5 220/230V kW 1.5 380/440V kW 2  Three-phase AC23A  220/230V kW 1.5 380/440V kW 2  Three-phase AC23A  220/230V kW 4 380/440V kW 7.5  Single-phase AC23A  110V kW 0.5 220/230V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 7.5  Rated operational current in DC DC21A  A8V A 20	oporational outront to				
110V				Α	20
Rated operational power in AC   Three-phase AC-3		AC15			
Rated operational power in AC				Α	
Rated operational power in AC Three-phase AC-3  220/230V kW 3 380/440V kW 5  Single-phase AC-3  110V kW 0.5 220/230V kW 1.5 380/440V kW 2  Three-phase AC23A  220/230V kW 4 380/440V kW 7.5  Single-phase AC23A  220/230V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 7.5  Rated operational current in DC DC21A  48V A 20					
Three-phase AC-3  220/230V kW 3 380/440V kW 5  Single-phase AC-3  110V kW 0.5 220/230V kW 1.5 380/440V kW 2  Three-phase AC23A  220/230V kW 4 380/440V kW 2  Three-phase AC23A  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	Data Lancation Lancation		380/400V	Α	6
220/230V	Rated operational pow				
380/440V   kW   5		Tillee-pilase AC-3	220/230\/	k\//	3
Single-phase AC-3					
110V   kW   0.5   220/230V   kW   1.5   380/440V   kW   2		Single-phase AC-3			
380/440V   kW   2			110V	kW	0.5
Three-phase AC23A  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					
220/230V			380/440V	kW	2
380/440V   kW   7.5		Three-phase AC23A	000/000\	1-107	4
Single-phase AC23A					
110V   kW   0.75     220/230V   kW   2   380/440V   kW   2.5     2.5		Single-phase AC23A	300/4401	KVV	7.5
220/230V   kW   2   380/440V   kW   2.5		Single phase AOZOA	110V	kW	0.75
Rated operational current in DC DC21A 48V A 20					
DC21A 48V A 20					
48V A 20	Rated operational curr	rent in DC			
		DC21A			
60V A 20					
			60V	А	20



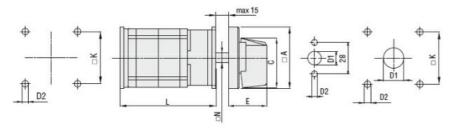
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**ENERGY AND AUTOMATION** 

		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13	1101	- / \	0.2
	B010	24V	Α	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
D P		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.5
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	TVICOX	7	
	Oblidación 3126 (120) Tricxibie dable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) Bigid coble	IVIAX	111111	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
NA 1 1 117		Max	mm²	2.5
Mechanical life			cycles	1x10 <sup>6</sup>
UL technical data				
Motor power for direct-				
	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	n	max		
Frontal IP degree				IP40
				IP20
Terminals IP degree				IFZU
Dimensions				

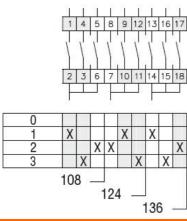
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Corios	Dimensions						L Number of elements												
Series	□A	С	ØD1	ØD2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF20	48	39.5	12	5	26.5	36	□6	46	59.5	73	86.5	100	113.5	127	140.5	154	167.5	181	194.5

## 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