

## ROTARY CAM SWITCH GF SERIES, MULTI-STEP 0-1-2-3-4-5, 1 POLE 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product type designation	Product designation				Rotary cam switches
Switching diagram	Product type designat	ion			
Switching diagram         0-1-2-3-4-5 1           N° of elements         3           Mounting form         Correct characteristics         O - Rear characteristics           Rated insulation voltage Ui           Rated impulse withstand voltage Uimp         kV         480           Conventional free air thermal current lith         IEC/EN         A         20           Conventional free air thermal current lith         IEC/EN         A         20           Rated operational voltage         V         480           Rated operational impulse voltage         kV         4           Rated operational impulse voltage         kV         4           Rated short time current lcw         10kA         A         20           Rated short time current lcw         1         KA         250           Conductivity         1         KA         250           Conductivity         1         KA         250           Conductivity         1         KA         250           Conductivity         2         AC1/AC21A         8         20           AC16         1         1         KW         5           Rated operational power in AC         2         2         20					
Mounting form	Switching diagram				0-1-2-3-4-5 1
Mounting form   Mounting with back handle   Mounting wit	N° of elements				3
Rated insulation voltage Ui   A	Mounting form				mounting with
Rated impulse withstand voltage Uimp	Contact characteristic	S			
Rated impulse withstand voltage Ulimp	Rated insulation voltage	ge Ui			
Rated impulse withstand voltage Uimp			IEC/EN	V	480
Conventional free air thermal current Ith			UL/CSA	V	240
Rated operational voltage   No	Rated impulse withsta	nd voltage Uimp		kV	4
Rated operational voltage	Conventional free air t	hermal current Ith			
Rated operational voltage			IEC/EN	Α	20
Rated operational impulse voltage   kV 4			UL/CSA		15
Maximum fuse size for short-circuit protection In (gG)	Rated operational volt	age		V	480
10kA   A   20   15kA   A   20   25kA   A   20   20   20   20   20   20   20	Rated operational imp	ulse voltage		kV	4
Table   Tabl	Maximum fuse size fo	r short-circuit protection In (gG)			
Rated short time current Icw			10kA	Α	20
Rated short time current lcw				Α	
1s			25kA	Α	20
Conductivity	Rated short time curre	ent Icw			
A			1s	kA	
AC1/AC21A  AC15  T10V A 10 220/230V A 8 380/400V A 6  Rated operational power in AC  Three-phase AC-3  Single-phase AC-3  Three-phase AC23A	Conductivity				10/5 mA/V
A 20	Operational current le	IEC/EN			
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 1.5 380/440V kW 5  Single-phase AC23A  220/230V kW 1.5 380/440V kW 2  Three-phase AC23A  220/230V kW 4 380/440V kW 2  Three-phase AC23A  110V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V 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		AC1/AC21A			
110V				Α	20
Rated operational power in AC		AC15			
Rated operational power in AC   Three-phase AC-3   220/230V   kW   3   380/440V   kW   5					
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 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					
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  110V kW 0.75 220/230V kW 4 380/440V kW 7.5  Rated operational current in DC DC21A			380/400V	A	6
220/230V	Rated operational pov				
Single-phase AC-3		Three-phase AC-3			
Single-phase AC-3					
110V   kW   0.5     220/230V   kW   1.5     380/440V   kW   2     220/230V   kW   4   380/440V   kW   7.5     380/440V   kW   7.5     380/440V   kW   7.5     380/440V   kW   2   380/440V   kW   2   380/440V   kW   2   380/440V   kW   2.5     Rated operational current in DC   DC21A		0	380/440V	KVV	5
220/230V		Single-phase AC-3	44014	1.3.67	٥.5
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					
220/230V		There are a 2000 A	380/4401	KVV	
380/440V   kW   7.5		Inree-phase AC23A	000/0001	1-147	4
Single-phase AC23A  110V kW 0.75 220/230V kW 2 380/440V kW 2.5  Rated operational current in DC DC21A					
110V   kW   0.75     220/230V   kW   2   380/440V   kW   2.5     2.5		Single phase AC22A	38U/44UV	KVV	7.5
220/230V   kW   2   380/440V   kW   2.5		Single-phase AC23A	4401/	1-///	0.75
Rated operational current in DC DC21A					
Rated operational current in DC DC21A					
DC21A	Dated energtional aver	east in DC	38U/44UV	KVV	۷.5
	nated operational curi				
40V A 20		DOZIA	101/	٨	20
			40 V	^	20

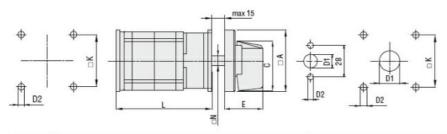


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		60V	Α	20
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	ŭ	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
	7.17 Trombio dabio	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	Wich	7,,,,,	12
	Conductor Size (IEO) Trickible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.0
	Conductor size (IEO) - Nigia cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAX		1x10 <sup>6</sup>
UL technical data			cycles	IXIU
	an line central			
Motor power for direct				
	for three-phase motor	0.40\/	LID	0
		240V	HP	3
	for single-phase motor	0.4017		4
A 1.1 / 194		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				

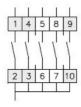
**ENERGY AND AUTOMATION** 

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Carina	Dimensions						L Number of elements												
Series	□A	C	ØD1	ØD2	Е	□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



0					
1	X				
2			Χ		
3					X
4		χ			
5				Χ	
			110	)	

## 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