



# ROTARY CAM SWITCH GF SERIES, CHANGEOVER SWITCH 1 POLE 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product type designation	Product designation				Rotary cam
Switching diagram         51 - Changeover switch 1 pole	_	ion			
Switching diagram         51 - Changeover switch 1 pole pole pole pole pole pole pole pole					GF20
N° of elements   1					
Mounting form   Mounting with place in Automatic Content Characteristics   Mounting with place in Automatic Characteristics   Mounting with place in Automatic Characteristics   Mounting with place in the mail current lith   Mounting with place in Mounting with pl	N° of elements				· · · · · · · · · · · · · · · · · · ·
Rated insulation voltage Uimp	Mounting form				mounting with
IEC/EN   V   480	Contact characteristics	5			
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	advista es Hessa	UL/CSA		
Rated operational voltage   Rated operational woltage   Rated operational impulse voltage   Rated short-circuit protection In (gG)   Rated short time current lcw   Rated short time current le IEC/EN   Rated short time lec/EN   Rated operational current le IEC/EN   Rated operational power in AC   Rated operational short shor				KV	4
Number   N	Conventional free all t	nermai current itir	IEC/EN	Δ	20
Rated operational voltage					
Rated operational impulse voltage   Rated operational impulse voltage   Rated operational impulse size for 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
Table   15kA   A   20   25kA   A   20   20   20   20   20   20   20	Maximum fuse size fo	r short-circuit protection In (gG)			
Rated short time current low			10kA	Α	20
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
Operational current le IEC/EN	Conductivity		18	Α	
AC1/AC21A  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 0.75 220/230V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 2 380/440V 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  110V 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 7.5  Single-phase AC23A  110V kW 7.5  Single-phase AC23A  110V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 4 380/440V kW 2.5  Rated operational current in DC DC21A  48V A 20	Data Lancada de la		380/400V	A	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	1.147	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		Siligie-pliase A020A	110V	kW	0.75
Rated operational current in DC DC21A 48V A 20					
DC21A 48V A 20					
48V A 20	Rated operational curr	ent in DC			
		DC21A			
60V A 20					
			60V	А	20

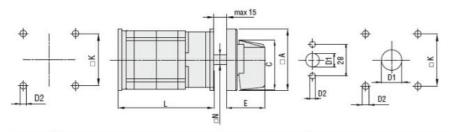




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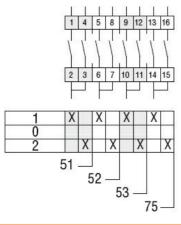
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features			***	0.0
Terminals screw				M3
	sumain alla manu		Nine	
Tightening torque for te	erminais max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			_
	( 2,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	Conductor Size (IEO) Trigid cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAA		
			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	max		
	Clorago tomporataro	min	°C	-40
			°C	+70
Posistanas & Protectio		max	U	T/U
Resistance & Protection	лі			ID 40
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				

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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