



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

Product type designation	Product designation			Rotary cam switches
Switching diagram 83. Multi-step 1- 2-3-4.1 pole N° of elements 2 Mounting form U - Front mounting with black handle Contact characteristics Rated insulation voltage Ui IEC/EN UL/CSA V 240 Rated impulse withstand voltage Uimp KV 4 4 Conventional free air thermal current Ith IEC/EN DL/CSA A 15 A 20 Rated operational voltage kV 480 480 Rated operational impulse voltage kV 480 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 25kA A 20 Rated short time current lcw 1 s A 250 Conductivity A 20 AC1/AC21A A 10 220/2030V A 8 336/40V W 5 8 AC1/AC21A A 20 20/20/2030V W W 5				
No of elements 2				
Mounting form				
Rated insulation voltage Ui				U - Front mounting with
IEC/EN V 480	Contact characteristics			
Rated impulse withstand voltage Uimp	Rated insulation voltage Ui			
Rated impulse withstand voltage Uimp				
Conventional free air thermal current Ith		UL/CSA		
IEC/EN			kV	4
Rated operational voltage	Conventional free air thermal current Ith	IEO/EN		0.0
Rated operational voltage				
Rated operational impulse voltage	Detail energianal voltage	UL/CSA		
Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current lcw 1s kA 250 Conductivity 10/5 mA/V Operational current le IEC/EN 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 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 220/230V kW 4 380/440V kW 7.5 Rated operational current in DC DC21A Rated operational current in DC DC21A				
10kA A 20 15kA A 20 25kA A 20 20 20 20 20 20 20			KV	4
State Stat	Maximum ruse size for short-circuit protection in (gG)	10kA	Δ	20
Rated short time current Icw				
Rated short time current lcw				
1s	Rated short time current lcw			
Conductivity		1s	kA	250
AC1/AC21A	Conductivity			10/5 mA/V
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 4 380/440V kW 7.5 Rated operational current in DC DC21A A8V A 20				
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 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 4 380/440V kW 7.5 Rated operational current in DC DC21A 48V A 20	AC1/AC21A			
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 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 48V A 20			Α	
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		380/400V	A	6
220/230V	·			
Single-phase AC-3	Three-phase AC-3	000/000		
Single-phase AC-3				
110V kW 0.5 220/230V kW 1.5 380/440V kW 2	Single phase AC 2	380/440 V	KVV	5
220/230V	Single-phase AC-3	110\/	<i>۱</i> ۸۸	0.5
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 48V A 20				
220/230V	Three-phase AC23A	000/1101		
380/440V kW 7.5	, , , , , , , , , , , , , , , , , , ,	220/230V	kW	4
Single-phase AC23A				
220/230V kW 2 380/440V kW 2.5	Single-phase AC23A			
Rated operational current in DC DC21A 48V A 20		110V	kW	0.75
Rated operational current in DC DC21A 48V A 20		220/230V	kW	
DC21A 48V A 20		380/440V	kW	2.5
48V A 20				
	DC21A			
60V A 20				
		60V	А	20





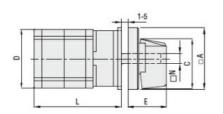
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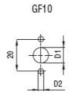
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features			**	0.0
Terminals screw				M3
	sumain alla manu		Nine	
Tightening torque for te	erminais max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		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 ⁶
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				



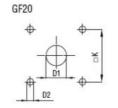
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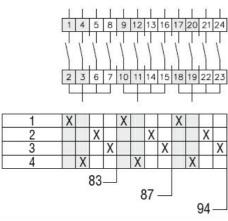




Drillings for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements												
	□A	С	D	ØD1	ØD2	Е	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	24	29	9	3.2	18.5	-	Ø5	40	52	64	76	88	100	112	124	-	-	-	-
GF20	48	39.5	36	12	5	26.5	36	□6	44	57.5	71	84.5	98	111.5	125	138.5	152	165.5	179	192.5

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