



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

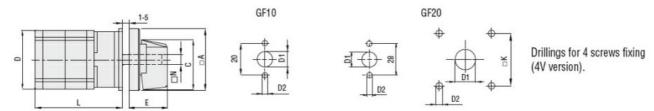
Product type designation	Product designation				Rotary cam
Switching diagram	_	ion			switches
136 - Multi-step					GF20
N° of elements S					
Mounting form Mounting with place in Automatic Contact characteristics Mounting with place in Automatic Contact characteristics Mounting with place in Automatic Contact characteristics Mounting with place in the mail current lith Mounting with place in the mail current with Mounting with place in Automatic Contact with plac	N° of elements				
Rated insulation voltage Uimp IEC/EN V 240 V	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'Union	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			25kA	Α	20
Conductivity	Rated short time curre	ent Icw	4.0	۸	250
AC1/AC21A	Conductivity		18	Α	
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 Lan		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	000/0001/	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		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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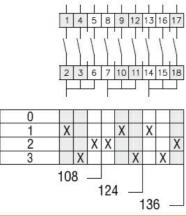
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13	-		
	2010	24V	Α	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for t	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	· ·	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
	THE TRANSPORTE	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIAX	700	12
	Conductor Size (IEC) - Flexible cable			0.5
		min	mm²	0.5
	0 1 (50) 5(1)	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	_		
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct	-on-line control			
	for three-phase motor			
		240V	HP	3
	for single-phase motor			
	3 1 3 1	240V	HP	1
Ambient conditions				
Temperature				
Tomporatare	Operating temperature			
	Operating temperature	min	°C	25
		min	°C	-25 . 5 5
		max	- C	+55
	Storage temperature		0.0	40
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on			
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				

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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