



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

Product type designation	Product designation			Rotary cam switches
Switching diagram 109 - Multi-step 0-1-2-3-1 tipole 10-2-3-1 tipole 10-2-3-3-1 tipole 10-2-3-3-3-1 tipole 10-2-3-3-3-1 tipole 10-2-3-3-3-3-3-1 tipole 10-2-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-				GF20
N° of elements 2 2 2 1 1 1 1 1 1 1				•
Mounting form				
Rated insulation voltage Ui				U - Front mounting with
Rated insulation voltage Uin	Contact characteristics			Diack Haridie
Rated impulse withstand voltage Uimp				
Rated impulse withstand voltage Uimp		IEC/EN	V	480
Conventional free air thermal current Ith		UL/CSA		
IEC/EN A 20 15 15 15 10 16 16 16 16 16 16 16			kV	4
Rated operational voltage X	Conventional free air thermal current Ith		_	
Rated operational voltage				
Rated operational impulse voltage Rated operational impulse voltage Rated short-circuit protection In (gG) 10kA	Poted enerational voltage	UL/CSA		
Maximum fuse size for short-circuit protection In (gG)				
10kA A 20 15kA A 20 25kA A 20 20 25kA A 20 20 20 20 20 20 20			IX V	
15kA A 20 25kB A 20 20 20 20 20 20 20	Maximum rado dizo for chore directic procedular in (go)	10kA	Α	20
Rated short time current Icw				
1s		25kA	Α	20
Conductivity	Rated short time current lcw			
AC1/AC21A		1s	kA	250
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 Three-phase AC-3 110V kW 0.5 220/230V kW 1.5 380/440V kW 2 Three-phase AC23A Three-phase AC23A 220/230V kW 4.5 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 220/230V kW 1.5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.5 220/230V kW 1.5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 2 380/440V kW 7.5 Rated operational current in DC DC21A	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 0.5 220/230V kW 1.5 380/440V kW 2 Three-phase AC23A 110V kW 0.75 220/230V kW 4 380/440V kW 7.5 Rated operational current in DC DC21A Rated operational current in DC DC21A				
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 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 2 380/440V kW 2.5 Rated operational current in DC DC21A A8V A 20	AC1/AC21A			
110V			Α	20
Rated operational power in AC Three-phase AC-3	AC15	440)/		4.0
Rated operational power in AC				
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 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 0.75 220/230V kW 7.5 Rated operational current in DC DC21A 48V A 20	Pated operational power in AC	360/400 V	A	0
Single-phase AC-3	·			
Single-phase AC-3	Thice phase Ao o	220/230V	kW	3
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 2 380/440V kW 2.5 Rated operational current in DC DC21A 48V A 20				
220/230V	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			
Single-phase AC23A				
110V kW 0.75	Cinala phasa ACOOA	380/440V	KVV	7.5
220/230V	Single-phase ACZ3A	110\/	۲/۷/	0.75
Rated operational current in DC DC21A 48V A 20				
Rated operational current in DC DC21A 48V A 20				
DC21A 48V A 20	Rated operational current in DC	223/1104		
48V A 20				
60V A 20		48V	Α	20
		60V	Α	20



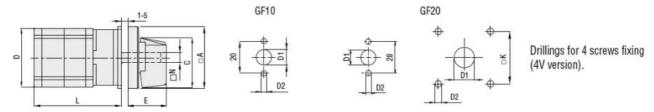


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		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	A	6
		60V	A	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
2311440101 0120	AWG - Rigid cable			
	AWG - Nigiti Cable	min	AWG	20
		min	_	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
	,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVICA		
	Conductor size (IEC) - Nigid Cable	min	ma ma 2	0 E
		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			
	Tot omgre phase moter	240V	HP	1
Ambient conditions		2401		•
Temperature				
	Operating temperature			
		min	°C	-25
			0.0	+55
		max	°C	+55
	Storage temperature	max	-10	+55
	Storage temperature	max	°C	-40
	Storage temperature	min	°C	-40
Resistance & Protection				
Resistance & Protection		min	°C	-40 +70
Frontal IP degree		min	°C	-40 +70
		min	°C	-40 +70

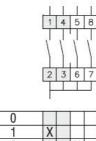
ENERGY AND AUTOMATION

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Corios	Dimensions							L Number of elements												
Series	□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



1	X							
2			Χ					
3		X						
4				χ				
		109						

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