



ROTARY CAM SWITCH GF SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 48X48MM

Product designation				Rotary cam
-				switches GF20
Product type designati General characteristics				GF20
Switching diagram	5			25 - 1-phase motor reversing switch with spring return
N° of elements				2
Mounting form				U25 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Contact characteristics				
Rated insulation voltag		IEC/EN UL/CSA	V V	480 240
Rated impulse withstar			kV	4
Conventional free air th	nermal current Ith	IEC/EN UL/CSA	A A	20 15
Rated operational volta	age		V	480
Rated operational imp			kV	4
Maximum fuse size for	r short-circuit protection In (gG)			
		10kA 15kA 25kA	A A A	20 20 20
Rated short time curre	nt Icw	1.0	1. 4	050
Conductivity		1s	kA	250 10/5 mA/V
Operational current le	IEC/EN			10/5 1117/ 1
	AC1/AC21A		A	20
	AC15			
		110V	А	10
		220/230V	A	8
Detailerenting		380/400V	A	6
Rated operational pow	Three-phase AC-3			
	Thee-phase AC-3	220/230V 380/440V	kW kW	3 5
	Single-phase AC-3	000/4407		0
		110V 220/230V	kW kW	0.5 1.5
		380/440V	kW	2
	Three-phase AC23A	000, 110 V		
	· · · · · · · · · · · · · · · · · · ·	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

GF2025U25

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

GF2025U25



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ENERGY AND AUTOMATION

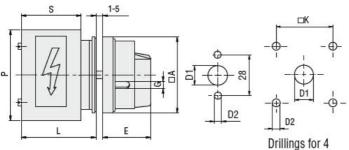
Rated operational cur	rent in DC			
	DC21A			
		48V	А	20
		60V	A	20
		110V	A	4
		220V		4 0.7
			A	
		440V	Α	0.2
	DC13			
		24V	A	6
		48V	Α	6
		60V	А	3
		110V	А	1
		220V	А	0.4
		440V	A	0.15
Dower dissinction		V 0FF	W	
Power dissipation			VV	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	C C	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Max	/	12
	AWG - Flexible cable		A1A/C	20
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		THOU A	cycles	1x10 ⁶
			Cycles	IXIU
UL technical data	r e e Persona de la			
Motor power for direc				
	for three-phase motor			
		240V	HP	3
	for single-phase motor			
		240V	HP	1
Ambient conditions				
Temperature				
Simporataro	Operating temperature			
	Operating temperature		° ^	25
		min	°C	-25
	-	max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				

GF2025U25

GF2025U25



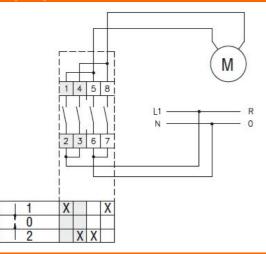
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screws fixing (4V version).

Carias	Dimensions			L						
Series	□A	D1	D2	E	G	□K	1	2	3	12
GF20	48	12	5	34.2	5	36	44	57.5	71	192.5

Wiring diagrams



Certifications and compliance

Compliance

oomphanoo	
	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