



ROTARY CAM SWITCH GF SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 20A, FOR REAR MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT PLATE 48X48MM

Product designation				Rotary cam switches
Product type designation	on			GF20
General characteristics				0. 20
Switching diagram				20 - Dahlander motor 2-speed reversing switch
N° of elements				6
Mounting form				O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling 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 impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
Date of all and time a common	at law	10kA 15kA 25kA	A A A	20 20 20
Rated short time curre	nt icw	1s	kA	250
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A		Α	20
	AC15			
		110V	Α	10
		220/230V 380/400V	A	8 6
Rated operational pow	er in AC	300/4001	A	0
Nated Operational pow	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
	<del></del>	380/440V	kW	2
	Three-phase AC23A	000/000	1.147	4
		220/230V	kW	4
	Single-phase AC23A	380/440V	kW	7.5
	Olligie-pilase AOZOA	110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5



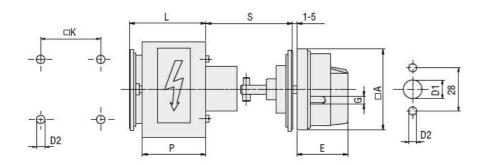


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Rated operational cui				
	DC21A		_	
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	/ tro	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	WICK	7,1110	12
	AVVO - I lexible cable	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) Flexible coble	IVIAX	AWG	12
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
	One director size (IEO). Divid poble	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable		2	0.5
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 <sup>6</sup>
UL technical data				
Motor power for direc				
	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			
	•	min	°C	-40
		max	°C	+70
Resistance & Protect	tion			
Frontal IP degree	<del></del>			IP40
Terminals IP degree				IP20
Dimensions				11 20
JIIII GII SIOII S				

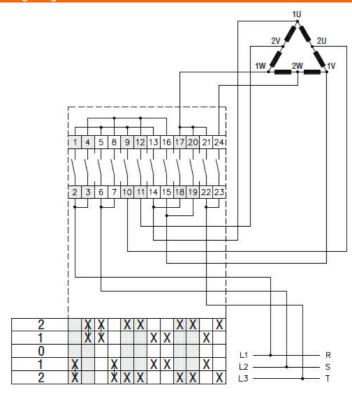


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Series		Dimensions					L				
	□A	D1	D2	Е	G	□K	S	1	2	3	12
GF20	48	12	5	34.2	5	36	45-55	46	59.5	73	194.5

## 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