

ROTARY CAM SWITCH GF SERIES, DAHLANDER MOTOR 2-SPEED REVERSING SWITCH, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation				Rotary cam
_				switches
Product type designat				GF20
General characteristics	S			00 5 11 1
Switching diagram				20 - Dahlander
Switching diagram				motor 2-speed reversing switch
N° of elements				6
14 Of Clefficitis				U47 - Snap on
				fron mounting
Mounting form				with black handle
-				for hole diam.
				22mm finxing
Contact characteristics	S			
Rated insulation voltage	je Ui			
		IEC/EN	V	480
		UL/CSA	V	240
Rated impulse withsta			kV	4
Conventional free air the	nermal current Ith			
		IEC/EN	Α	20
		UL/CSA	Α	15
Rated operational volta	<u> </u>		V	480
Rated operational imp			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	20
		15kA	Α	20
		25kA	Α	20
Rated short time curre	nt Icw			
		1s	kA	250
Conductivity	150/51			10/5 mA/V
Operational current le				
	AC1/AC21A			00
	1015		Α	20
	AC15	440)/	^	40
		110V	A	10
		220/230V 380/400V	A A	8 6
Rated operational pow	vor in AC	300/4007	A	0
rated operational pow	Three-phase AC-3			
	Tillee-pilase AC-3	220/230V	kW	3
		380/440V	kW	5
	Single-phase AC-3	300/440 V	IXVV	
	Single-phase AC-5	110V	kW	0.5
		220/230V	kW	1.5
		380/440V	kW	2
	Three-phase AC23A	3307		
		220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A		<del>-</del>	
		110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Rated operational curr	ent in DC			
	DC21A			





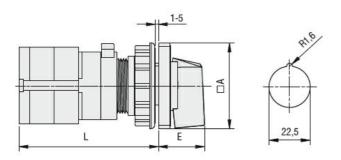
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		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				0.0
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size	Similare max			
CONTINUOTOR SIZE	AWG - Rigid cable			
	AWO - Rigid cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAA	AVVO	12
	AVVG - Flexible cable	min	AWG	20
		Max	AWG	12
	Conductor size (ICC) Flevible coble	IVIAX	AVVG	12
	Conductor size (IEC) - Flexible cable	min	mama <sup>2</sup>	0 F
		min May	mm² mm²	0.5
	On division sine (IEO). Divid calls	Max	111111	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
Manhaniaaliifa		Max	mm²	2.5
Mechanical life			cycles	1x10 <sup>6</sup>
UL technical data				
Motor power for direct-				
	for three-phase motor	0.4014		
	- <del></del>	240V	HP	3
	for single-phase motor	A 1-11		
A I I I A I I I I I I I I I I I I I I I		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature	<u>.</u>	2.2	0.5
		min	°C	-25
	-	max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				



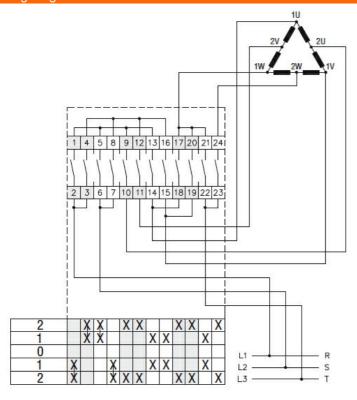
**ENERGY AND AUTOMATION** 

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Series	Dimensions		L			
	□A	Е	1	2	3	8
GF10	30	18.5	60	72	84	144
GF20	48	26.5	56	69.5	83	150.5

## 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