ROTARY CAM SWITCH GF SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			GF20
General characteristics			
			25 - 1-phase
Switching diagram			motor reversing
Switching diagram			switch with spring
			return
N° of elements			2
			O - Rear
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	480
9	UL/CSA	V	240
Rated impulse withstand voltage Uimp		kV	4
Conventional free air thermal current Ith			
	IEC/EN	Α	20
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
•	10kA	Α	20
	15kA	Α	20
	25kA	Α	20
Rated short time current lcw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
Rated operational power in AC	00071001	- , ,	
Three-phase AC-3			
Tilloo pilado Ao d	220/230V	kW	3
	380/440V	kW	5
Single-phase AC-3	300/ 11 0 V	17 4 4	
Olligio pilase AO-3	110V	kW	0.5
	220/230V	kW	1.5
	380/440V	kW	2
Three-phase AC23A	300/TT0 V	17.4.4	<u>-</u>
Tillee-pilase AOZSA	220/230V	kW	4
	380/440V	kW	7.5
Single-phase AC23A	J00/440 V	V A A	1.0
Sillyle-pilase AOZSA	110V	kW	0.75
	220/230V	kW	0.75
	380/440V	kW	2.5
Rated operational current in DC	300/4407	V A A	۷.5

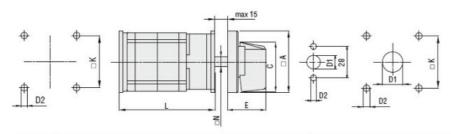


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		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	G	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
	001100001 0120 (120) 1 10/10/10 00010	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	Conductor GIEC (IEC) Trigid Capie	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 ⁶
UL technical data			Oy 0100	17.10
Motor power for direct	t-on-line control			
motor power for all co	for three-phase motor			
	for three phase motor	240V	HP	3
	for single-phase motor	Z-10 V	1 11	
	ioi single-phase motor	240V	HP	1
Ambient conditions		240 V	1 11	'
Temperature				
remperature	Operating temperature			
	Operating temperature	min	°C	-25
			°C	
	Storage temperature	max	<u> </u>	+55
	Storage temperature		°C	40
		min	°C	-40 - 70
Desire of Desired		max	°C	+70
Resistance & Protect	lon			ID 40
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				

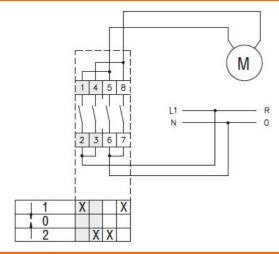
ENERGY AND AUTOMATION

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Series	Dimensions						L Number of elements												
	□A	C	ØD1	ØD2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF20	48	39.5	12	5	26.5	36	□6	46	59.5	73	86.5	100	113.5	127	140.5	154	167.5	181	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