

## **GF2098O** ROTARY CAM SWITCH GF SERIES, AMMETER SWITCH 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Switching diagram N° of elements Mounting form Contact characteristics Rated insulation voltage Ui Rated impulse withstand voltage Uimp Conventional free air thermal current Ith Rated operational voltage Rated operational impulse voltage	IEC/EN UL/CSA IEC/EN UL/CSA	V V KV A A V kV	switches GF20 98 - Ammeter switch 3 O - Rear mounting with black handle 480 240 4 20 15
General characteristics         Switching diagram         N° of elements         Mounting form         Contact characteristics         Rated insulation voltage Ui         Rated impulse withstand voltage Uimp         Conventional free air thermal current Ith         Rated operational voltage         Rated operational impulse voltage         Maximum fuse size for short-circuit protection In (gG)	UL/CSA IEC/EN	V kV A A V	switch 3 O - Rear mounting with black handle 480 240 4 20 15
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Rated operational voltage Rated operational impulse voltage		A V	15
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Rated operational impulse voltage	UL/CSA	V	
Rated operational impulse voltage		-	490
		111	480
Maximum fuse size for short-circuit protection In (gG)		κv	4
	10kA	А	20
	15kA	А	20
	25kA	А	20
Rated short time current Icw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	A	8
	380/400V	А	6
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5
Single-phase AC-3			o <b>-</b>
	110V	kW	0.5
	220/230V	kW	1.5
These shares A000A	380/440V	kW	2
Three-phase AC23A	000/0001/	1.1.47	4
	220/230V	kW	4
Single phase AC22A	380/440V	kW	7.5
Single-phase AC23A	44017	1.1.1.1	0 7F
	110V 220/230V	kW	0.75 2
		kW kW	2 2 5
Pated operational current in DC	380/440V	kW	2.5
Rated operational current in DC DC21A			
DOZIA	48V	А	20
	48V 60V	A	20 20

GF2098O

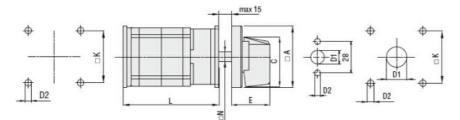


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		110V	А	4
		220V	A	0.7
		440V	A	0.2
	DC13	1107	~~~~	0.2
	2010	24V	А	6
		48V	A	6
		48V 60V	A	3
		110V	A	1
		220V	A	0.4
		440V		0.4
Dewer dissipation		440 V	A W	
Power dissipation			VV	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	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			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		Max	cycles	1x10 <sup>6</sup>
UL technical data			Cycles	
Motor power for direc	t-on-line control			
	for three-phase motor	240V	ЦБ	2
	for single share mater	240 V	HP	3
	for single-phase motor	0.401/		4
A set the set of the Press		240V	HP	1
Ambient conditions				
Temperature	• · · · · ·			
	Operating temperature			
		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				

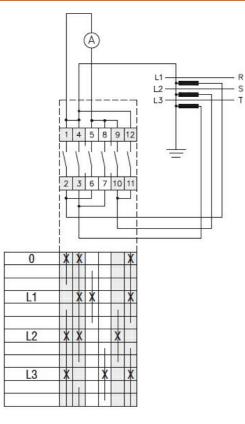


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Series	Dimensions					L Number of elements													
Series	□A	С	ØD1	ØD2	E	□K	Ν	1	2	3	4	5	6	7	8	9	10	11	12
GF20	48	39.5	12	5	26.5	36	□6	46	59.5	73	86.5	100	113.5	127	140.5	154	167.5	181	194.5

## 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