



# ROTARY CAM SWITCH GF SERIES, AMMETER SWITCH 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam
-				switches
Product type designation  General characteristics				GF20
Switching diagram				97 - Ammeter switch
N° of elements				5
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltage Ui		IEC/EN	V	480
		UL/CSA	V	240
Rated impulse withstand voltage			kV	4
Conventional free air thermal curr	ent Ith			
		IEC/EN	A	20
Dated energtional voltage		UL/CSA	A V	15 480
Rated operational voltage Rated operational impulse voltage	2		kV	480
Maximum fuse size for short-circu			K V	
Waximam rado dizo foi difort difor	m protoction in (go)	10kA	Α	20
		15kA	Α	20
		25kA	Α	20
Rated short time current Icw				
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le IEC/EN				
AC1/AC2	21A		Α	20
AC15				
		110V	Α	10
		220/230V	Α	8
		380/400V	Α	6
Rated operational power in AC				
Three-ph	ase AC-3	000/0001	1-147	2
		220/230V 380/440V	kW kW	3 5
Single-ph	nase AC-3	300/440 V	KVV	
Cingle pi	1007100	110V	kW	0.5
		220/230V	kW	1.5
		380/440V	kW	2
Three-ph	ase AC23A			
		220/230V	kW	4
<del></del>	A 000 A	380/440V	kW	7.5
Single-ph	nase AC23A	44017	121.07	0.75
		110V 220/230V	kW kW	0.75 2
		380/440V	kW	2.5
Rated operational current in DC		330/ T T V		
DC21A				
		48V	Α	20



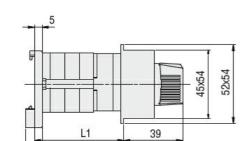


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		60V	Α	20
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.5
Conductor size	ommaio max			
Conductor GIZO	AWG - Rigid cable			
	7.VVO Trigid duble	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	7,110	12
	AVVO - I lexible cable	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIAX	AVVG	12
	Conductor Size (IEC) - Flexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) Digid coble	IVIAX	111111	2.5
	Conductor size (IEC) - Rigid cable		2	0.5
		min Mov	mm²	0.5
Marshautier Life		Max	mm²	2.5
Mechanical life			cycles	1x10 <sup>6</sup>
UL technical data	and Programmed and			
Motor power for direct				
	for three-phase motor	0.40\/		
		240V	HP	3
	for single-phase motor	0.4017		
A 1.1 A 11.1		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		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** 

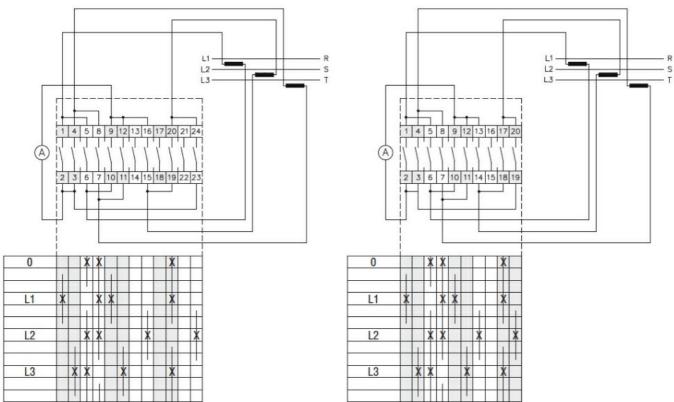
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Corios	L1			
Series	1	2	3	
GF20	40	53.5	67	

## Wiring diagrams

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#### 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

3/4





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ETIM 8.0

EC001029 -Selector switch, complete