

**ENERGY AND AUTOMATION** 

## ROTARY CAM SWITCH GF SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

Product designation				Rotary cam
_				switches
Product type designat				GF20
General characteristic	S			60 Changaayar
Switching diagram				69 - Changeover switch without 0 4
N° of elements				poles 4
14 Of Cicinonia				U12 - Front
				mounting without
Mounting form				front plate with
Woulding form				key operation for
				hole diam. 22mm
Contact characteristics				fixing
Rated insulation voltage				
Rateu irisulation voitaç	ge Oi	IEC/EN	V	480
		UL/CSA	V	240
Rated impulse withsta	nd voltage Llimp	OLOGA	kV	4
Conventional free air t			100	· · · · · · · · · · · · · · · · · · ·
Conventional free all t	normal carrone far	IEC/EN	Α	20
		UL/CSA	Α	15
Rated operational volt	age		V	480
Rated operational imp			kV	4
	r short-circuit protection In (gG)			
		10kA	Α	20
		15kA	Α	20
		25kA	Α	20
Rated short time curre	ent Icw			
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A		_	
			Α	20
	AC15	440)/	•	4.0
		110V	A	10
		220/230V 380/400V	A A	8 6
Rated operational pow	ver in AC	360/400 V		0
rtated operational pow	Three-phase AC-3			
	moo phace no c	220/230V	kW	3
		380/440V	kW	5
	Single-phase AC-3			
	<u> </u>	110V	kW	0.5
		220/230V	kW	1.5
		380/440V	kW	2
	Three-phase AC23A			
		220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.75
		220/230V	kW	2
Datad anarational sum	tent in DC	380/440V	kW	2.5
Rated operational curr	ent in DC			



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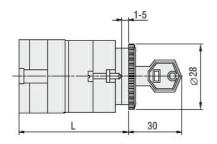
	DC21A			
	DOZIA	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	0.7
		440V	A	0.2
	DC13		- , ,	
	50.0	24V	Α	6
		48V	A	6
		60V	Α	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				0.0
Terminals screw				M3
Tightening torque for te	arminals may		Nm	0.5
Conductor size	annias max		INIII	0.5
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AVVG	12
	AVVG - Flexible Cable	min	AWG	20
		min Mov		20
	Conductor size (IEC). Florible coble	Max	AWG	12
	Conductor size (IEC) - Flexible cable	!	2	0.5
		min	mm²	0.5
	O I . ( (IEO) . Birit I I	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 direct-				
	for three-phase motor			_
		240V	HP	3
	for single-phase motor	0.401.4		
		240V	HP	1
Ambient conditions Temperature				
· oporata.o	Operating temperature			
	oporating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	max		
	Otorago temperature	min	°C	-40
			°C	+70
Resistance & Protectio	n	max		T/U
	····			IP40
Frontal IP degree				
Terminals IP degree				IP20
Dimensions				



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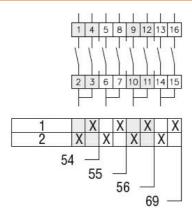






Series	L			
	1	2	3	8
GF20	54.5	68	81.5	149

## 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