

GF2091U12 electric ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 2 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING



Product designation			Rotary cam switches
Product type designation			GF20
General characteristics			
Switching diagram			91 - ON/OFF
N° of elements			switch 2 poles
Mounting form			U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	480 240
Rated impulse withstand voltage Uimp		kV	4
Conventional free air thermal current Ith	IEC/EN	A	20
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 20 20
Rated short time current Icw	20174	~	20
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
10/5		A	20
AC15	110V	A	10
	220/230V	A	8
Rated operational power in AC	380/400V	A	6
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5
Single-phase AC-3	110V	kW	0.5
	220/230V	kW	1.5
Three phase AC22A	380/440V	kW	2

Three-phase AC23A



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		220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A	000/440 V		1.0
	Single-phase AC23A	4401/	1.1.47	0.75
		110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Rated operational cur	rent in DC			
	DC21A			
		48V	А	20
		40V 60V		
			A	20
		110V	A	4
		220V	A	0.7
		440V	Α	0.2
	DC13			
		24V	А	6
		48V	A	6
		60V	Α	3
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation		-	W	0.8
Mechanical features			••	0.0
				MO
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	C C	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Max	/0	12
	AVVG - Flexible Cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) Bigid coble	Max		2.0
	Conductor size (IEC) - Rigid cable		no 170 ²	0 F
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct	t-on-line control			
	for three-phase motor			
		24014	ЦΡ	2
	Construction of the second second	240V	HP	3
	for single-phase motor			
		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
Tional F degree				

GF2091U12

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

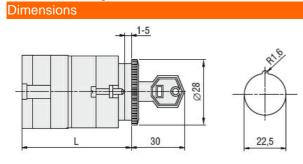


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ENERGY AND AUTOMATION

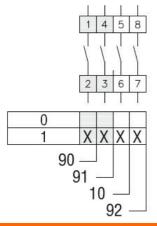
Terminals IP degree

IP20



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