electric ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING **ENERGY AND AUTOMATION**



Description of the second seco			Rotary cam
Product designation			switches
Product type designation			GF20
General characteristics			22 22/255
Switching diagram			92 - ON/OFF switch 4 poles
N° of elements			2
TV OF GIOTHORIE			U12 - Front
			mounting without
Mounting form			front plate with
			key operation for
			hole diam. 22mm fixing
Contact characteristics			ig
Rated insulation voltage Ui			
	IEC/EN	V	480
	UL/CSA	V	240
Rated impulse withstand voltage Uimp		kV	4
Conventional free air thermal current Ith			
	IEC/EN	A	20
Detect an existing a veltage	UL/CSA	A V	15
Rated operational voltage Rated operational impulse voltage		v kV	480
Maximum fuse size for short-circuit protection In (gG)		KV	4
Maximum ruse size for short-circuit protection in (go)	10kA	Α	20
	15kA	Α	20
	25kA	Α	20
Rated short time current lcw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			00
AC15		Α	20
AC15	110V	Α	10
	220/230V	A	8
	380/400V	Α	6
Rated operational power in AC			
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 AC23A	380/440V	kW	2
Tillee-pilase AC23A			

GF2092U12



ENERGY AND AUTOMATION

electric ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

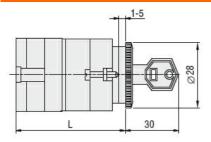
		220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A	000/1101		7.0
	Single-phase AO23A	440\/	1.147	0.75
		110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Rated operational cur	rrent in DC			
·	DC21A			
		48V	Α	20
		60V	A	20
		110V	Α	4
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	Α	6
		48V	Α	6
		60V	A	3
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
	torminals may		Nim	0.5
Tightening torque for	terminais max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
	7.VVC TICKIBIC GUBIC	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	min	mm²	0.5
		Max	mm²	2.5
NA 1 2 1.07		IVIXX		
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direc	t-on-line control			
	for three-phase motor			
	•	240V	HP	3
	for single-phase motor	2101		
	ioi siligio pilase motoi	2401/	ПD	1
A colling to the second		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storago tomporaturo	max		.00
	Storage temperature		0.0	40
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
=				
Frontal IP degree				IP40

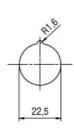
ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

ENERGY AND AUTOMATION

Terminals IP degree IP20

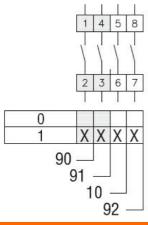
Dimensions





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