



			Doton / com
Product designation			Rotary cam switches
Product type designation			GF10
General characteristics			
Switching diagram			90 - ON/OFF switch 1 pole
N° of elements			1
Mounting form			U - Front mounting with black handle
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	10
	UL/CSA	A	10
Rated operational voltage		V	480
Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG)		kV	4
Maximum ruse size for short-circuit protection in (gG)	10kA	А	16
Rated short time current Icw	10101	Λ	10
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	10
AC15	440)/	•	r
	110V 220/230V	A A	5 3
	380/400V	A	2
Rated operational power in AC	000/1007	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	L
Three-phase AC-3			
	220/230V	kW	1.5
	380/440V	kW	2.2
Single-phase AC-3			
	110V	kW	0.3
	220/230V	kW	0.55
Three phase AC22A	380/440V	kW	0.75
Three-phase AC23A	220/230V	kW	1.8
	380/440V	kW	3
Single-phase AC23A	000/7701	11.00	<u> </u>
	110V	kW	0.7
	220/230V	kW	0.75

GF1090U

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



**GF1090U** ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 1 POLE 10A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 30X30MM

		380/440V	kW	1.1
Rated operational cur				
	DC21A			
		48V	А	10
		60V	А	7
		110V	Α	2
		220V	Α	0.7
		440V	Α	0.2
	DC13			
		24V	А	3
		48V	А	3
		60V	А	2
		110V	А	1
		220V	А	0.3
		440V	А	0.1
Power dissipation			W	0.4
Mechanical features				
Terminals screw				2.5M
Tightening torque for	terminals max		Nm	0.4
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	14
	AWG - Flexible cable	mox	/0	••
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVICA	700	14
		min	mm²	0.5
		Max	mm²	1.5
	Conductor size (IEC) Pigid apple	IVIAX	111111	1.0
	Conductor size (IEC) - Rigid cable	min	<b>m m</b> <sup>2</sup>	0.5
		min	mm²	0.5
March and a shift		Max	mm²	1.5
Mechanical life			cycles	1x10 <sup>6</sup>
UL technical data				
Motor power for direc				
	for three-phase motor	o ( o) (		•
		240V	HP	2
	for single-phase motor			
		240V	HP	0.75
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				

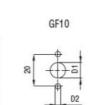
GF1090U



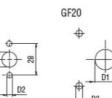
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ENERGY AND AUTOMATION

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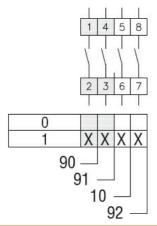
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Drillings for 4 screws fixing (4V version).

Series	Dimensions					L Number of elements														
Series	□A	С	D	ØD1	ØD2	Е	□K	Ν	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	24	29	9	3.2	18.5	-	Ø5	40	52	64	76	88	100	112	124	-	-	-	-
GF20	48	39.5	36	12	5	26.5	36	□6	44	57.5	71	84.5	98	111.5	125	138.5	152	165.5	179	192.5

## 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		
		EC001029 -
ETIM 8.0		Selector switch,

Selector switch, complete