GF2091088



ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 2 POLES 20A, FOR REAR MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT PLATE 48X48MM

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General characteristics 91 - ON/OFF Switching diagram 91 - ON/OFF N° of elements 1 Mounting form 088 - Rear Mounting form odder coupling Contact characteristics red/yellow handle Rated insulation voltage UI IEC/EN V 480 UL/CSA V Conventional free air thermal current Ith IEC/EN V Conventional free air thermal current Ith IEC/EN A Rated operational voltage V 480 Rated operational voltage V 480 Rated operational voltage KV 4 Conductivity 10kA A 20 15kA A 20 15kA A 20 16kA A 20 15kA A 20 15kA A 20 15kA A 20 16kA A 20 15kA A 20 15kA A 20 15kA A 20 15kA A 20 20 25kA A	Product designation			
Switching diagram 91 - 0NOFF N° of elements 1 N° of elements 088 - Rear Mounting form 088 - Rear Contact characteristics red/yellow handle Rated insulation voltage Ui IEC/EN V UL/CSA V 2480 Rated insulation voltage Uinp kV 4 Conventional free air thermal current Ith IEC/EN X Rated operational voltage kV 4 Rated operational imputes voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 20 15kA A 20 25kA A 20 15kA A 20 15kA A 20 15kA A 20 16kA A 20 20/t30V 20/t30V 20/t30V <td></td> <td></td> <td></td> <td>GF20</td>				GF20
Switching diagram switch 2 poles N° of elements 1 1 Mounting form $2083 - Rear mounting with red/yellow handle padiockable in 0, door coupling and protection covers Contact characteristics Rated insulation voltage Ui IEC/EN V 480 UL/CSA V 240 Rated insulation voltage Uimp k/V 4 Conventional free air thermal current Ith IEC/EN A 20 UL/CSA A 15 Rated operational woltage Rated operational impulse voltage k/V 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Rated short time current Icw 15kA A 20 Rated short time current Icw 10/S mA/V Operational current Icw 16kA A 20 Rated operational power in AC Three-phase AC-3 220/230V KW 3 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 Single-phase AC-3 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 Single-phase AC-3 110V kW 0.5 220/230V kW 3 Single-phase AC-3 110V kW 0.5 220/230V kW 4 Single-phase AC-3 110V kW 0.5 220/230V kW 4 Single-phase AC-3 110V kW 4 Single-phase AC-3 Single-phase AC-3 Single-phase AC-3 Single-phase AC-3 Single-phase AC-3 Single-phase AC-3 Single-phase AC$	General characteristics			
Mounting form O68 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers Contact characteristics IEC/EN V 480 Rated insulation voltage Ui IEC/EN V 480 Rated insulation voltage Ui IEC/EN V 480 Rated insulation voltage Uimp KV 4 Conventional free air thermal current lth IEC/EN A 20 Rated operational voltage V 480 480 Rated operational impulse voltage V 480 Rated short time current lcw 10kA A 20 Conductivity 10kA A 20 Quertational current le IEC/EN A 20 25kA A Act15 110V A 10 Act15 110V A 10 Rated operational power in AC Three-phase AC-3 220/230V KW 3 Single-phase AC-3 110V KW 3	Switching diagram			
Mounting form mounting with red/yellow handle padlockable in 0, door coupling and protection covers Contact characteristics iEC/EN V 480 Rated insulation voltage Ui iEC/EN V 480 Conventional free air thermal current Ith iEC/EN A 20 Rated operational voltage kV 4 4 Conventional free air thermal current Ith iEC/EN A 20 Rated operational voltage kV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Rated short time current Icw 10kA A 20 Conductivity 10/5 mA/V 20 Operational current Icw 1s kA 20 AC15 110V A 10 AC15 110V A 8 380/400V A 6 6 Rated operational power in AC 220/230V KW 3 Actification 380/400V KW 3 Single-phase AC-3 110V KW 3 Single-phase AC-3 110V KW <td>N° of elements</td> <td></td> <td></td> <td></td>	N° of elements			
Rated insulation voltage Ui IEC/EN V 480 UL/CSA V 240 Rated impulse withstand voltage Uimp k/V 4 Conventional free air thermal current Ith IEC/EN A 20 Rated operational voltage V 480 4 Rated operational impulse voltage V 480 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 20 25kA A 20 25kA A 20 25kA A 20 Rated short time current Icw 1s kA 20 25kA A 20 Conductivity 10/5 mA/V 00perational current Ic IEC/EN 10/5 mA/V 00perational current Ic IEC/EN 4 20 AC1/AC21A A 20 220/230V A 8 380/400V A 6 Rated operational power in AC 110V A 10 220/230V KW 3 380/440V KW				mounting with red/yellow handle padlockable in 0, door coupling and protection
$\begin{tabular}{ c c c c c c c c c c } & V & 480 \\ \hline \end{tabular} UL/CSA & V & 240 \\ \hline \end{tabular} Rated inpulse withstand voltage Uimp & kV & 4 \\ \hline \end{tabular} Conventional free air thermal current Ith & $$IEC/EN & A & 20 \\ $$UL/CSA & A & 15$ \\\hline \end{tabular} Rated operational voltage & V & 480 \\\hline \end{tabular} Rated operational inpulse voltage & kV & 4 \\\hline \end{tabular} Maximum fuse size for short-circuit protection In (gG) & $$10kA & A & 20 \\ $$10kA & A & 20 \\ $$15kA & A & 20$ \\\hline \end{tabular} Rated short time current Icw & $$$15$ \\\hline \end{tabular} Rated short time current Icw & $$$$15$ \\\hline \end{tabular} Conductivity & $$$$10kA & $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$				
UL/CSA V 240 Rated impulse withstand voltage Uimp kV 4 Conventional free air thermal current Ith IEC/EN A 20 UL/CSA A 15 IEC/EN A 20 Rated operational voltage V 480 Rated operational impulse voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 20 15kA A 20 Rated short time current lcw 1 1 kA 20 Conductivity 1 kA 20 10/5 mA/V Operational current lc IEC/EN 100/5 mA/V 10/5 mA/V AC1/AC21A A 20 20/230V A 8 Rated operational power in AC 10V A 10 220/230V A 8 Rated operational power in AC 1 220/230V KW 3 380/40V A 6 Single-phase AC-	Rated insulation voltage Ui		V	490
Rated impulse withstand voltage Uimp kV 4 Conventional free air thermal current lth 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 ln (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current lcw 1s kA 20 25kA A 20 Conductivity 1s kA 250 10/5 mA/V 0 0/5 mA/V Operational current le IEC/EN 10/5 mA/V 10/5 mA/V 0 220/230V A 8 380/400V A 6 Rated operational power in AC 110V A 10 220/230V A 8 380/400V A 6 380/400V A 6 Rated operational power in AC 110V KW 3 380/40V 5 380/400V KW			-	
Conventional free air thermal current lth IEC/EN A 20 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 20 15kA A 20 Rated short time current lcw 1s kA 20 25kA A 20 Conductivity 1s kA 250 10/5 mA/V 0 0/5 mA/V Operational current lcW 1s kA 20 2 <	Rated impulse withstand voltage Uimp	02,00,1		
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 A 20 15kA A 20 25kA A 20 Rated short time current lcw 1s kA 250 Conductivity 10/5 mA/V 0 10/5 mA/V Operational current le IEC/EN A 20 AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3 Single-phase AC-3 110V KW 3 380/400V kW 5				
Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current lcw 1s kA 250 20 Conductivity 10/5 mA/V 10/5 mA/V 0 10/5 mA/V Operational current le IEC/EN A 20 A 20 AC1/AC21A A 20 A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/400V A 6 Single-phase AC-3 110V KW 3 380/400V KW 5				
Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 20 15kA A 20 Rated short time current lcw 1s kA 250 25kA A 20 Conductivity 1s kA 250 10/5 mA/V 0/2 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 10/2 mA/V AC15 110V A 10 220/230V A 8 Rated operational power in AC 110V A 6 8 380/400V A 6 Rated operational power in AC 100/2 mA/V 10/2 mA/V 10/2 mA/V 10/2 mA/V 10/2 mA/V 10/2 mA/V Single-phase AC-3 10/2 mA/V		UL/CSA		
Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current low 1s kA 250 Conductivity 1s kA 250 Operational current le IEC/EN 10/5 mA/V 10/5 mA/V AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 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				
10kA A 20 15kA A 20 Rated short time current lcw 1s kA 250 Conductivity 10/5 mA/V Operational current le IEC/EN 10/5 mA/V AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 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			ΚV	
25kA A 20 Rated short time current lcw 1s kA 250 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 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		10kA	А	20
Rated short time current lcw 1s kA 250 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5		15kA	А	20
1s kA 250 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3 Single-phase AC-3 110V kW 5 5 Single-phase AC-3 110V kW 0.5		25kA	А	20
Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V KW 3 380/440V KW 5 5 Single-phase AC-3 110V KW 0.5 220/230V KW 1.5	Rated short time current Icw			050
AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5	Conductivity	15	KA	
AC1/AC21A AC15 AC15 110V A 10 220/230V A 8 380/400V A 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				
AC15 110V A 10 220/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5				
110V A 10 220/230V A 8 380/400V A 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			А	20
220/230V A 8 380/400V A 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	AC15			
380/400V A 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				
Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5				
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	Rated operational power in AC	000,1001	7.	
380/440V kW 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5				
Single-phase AC-3 110V kW 0.5 220/230V kW 1.5				
110V kW 0.5 220/230V kW 1.5	Circle share AC 2	380/440V	kW	5
220/230V kW 1.5	Single-phase AC-3	110\/	k\//	0.5

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



GF2091088 ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 2 POLES 20A, FOR REAR MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT PLATE 48X48MM

	Three-phase AC23A	000/0001/		
		220/230V	kW	4
		380/440V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.75
		220/230V	kW	2
		380/440V	kW	2.5
Rated operational curre	ent in DC			
	DC21A			
	DOZIA	40\/	۸	20
		48V	A	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.7
		440V	А	0.2
	DC13			
		24V	А	6
		48V	A	
				6
		60V	A	3
		110V	Α	1
		220V	A	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	rminals max		Nm	0.5
Conductor size				0.0
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			. –
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
		240V	HP	3
	for single phase motor	240 V	LIF	5
	for single-phase motor	- ·-··		
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°Č	+55
	Storage temperature	max	<u> </u>	
	Storage temperature	!·	° ^	40
		min	°C	-40
		max	°C	+70
Resistance & Protectio	n			

GF2091088



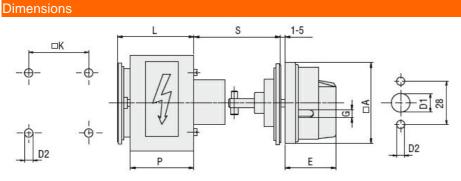
ENERGY AND AUTOMATION

ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 2 POLES 20A, FOR REAR MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT PLATE 48X48MM

Frontal IP degree

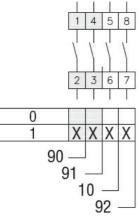






Cariaa	Dimensions					L					
Series	□A	D1	D2	E	G	□K	S	1	2	3	12
GF20	48	12	5	34.2	5	36	45-55	46	59.5	73	194.5

Wiring diagrams



Certifications and compliance

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

GF2091088