

GF2005U25 ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 48X48MM

Product designation switches Product type designation GF20 Switching diagram switching N° of elements 1 N° of elements 1 Mounting form switching diagram Contact characteristics red/yellow handle Product type designation voltage UI IEC/EN V 480 Quit CSA V Rated insulation voltage UI IEC/EN V 240 Rated insulation voltage UImp KV V 480 UL/CSA A V1/CSA A V2/VCSA A Rated operational voltage KV Rated operational impulse voltage KV V4 480 Maximum fuse size for short-circuit protection In (gC) 10kA Operational impulse voltage KV A 20 Rated operational current Icw 15 A 20 AC15 110V AC16 220/230V <t< th=""><th>Droduct designation</th><th></th><th></th><th></th><th>^a Rotary cam</th></t<>	Droduct designation				^a Rotary cam
General characteristics 05 - ON/OFF switch 1 pole Switching diagram 05 - ON/OFF switch 1 pole N° of elements 1 Mounting form U25 - Front mounting with red/selbw handle padlockable in 0 and protection covers Contact characteristics IEC/EN V Rated insulation voltage Uimp 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 Maximum fuse size for short-circuit protection In (gG) 10kA A 10kA A 20 10kA A 20 25kA A 20 25kA A 20 10kA A 20 10kA A 20 10kA A 20 25kA A 20 Conductivity 10/5 mA/V Operational current Icw 1 AC15 10/V A 220/230V A 8 380/400V A 20 380/400V KW 3 380/400V KW 3 220/230V <t< td=""><td>-</td><td></td><td></td><td></td><td></td></t<>	-				
Switching diagram 05 - ON/OFF switch 1 pole N° of elements 1 Mounting form U25 - Front mounting with red/vellow handle padlockable in 0 and protection covers Contact characteristics U25 - Front mounting with red/vellow handle padlockable in 0 and protection covers Contact characteristics U25 - Front mounting with red/vellow handle padlockable in 0 and protection covers Contact characteristics U25 - Front mounting with red/vellow handle padlockable in 0 and protection covers Contact characteristics U25 - Front mounting with padlockable in 0 and protection UL/CSA V Rated inpulse withstand voltage Uimp KV 4 Conventional free air thermal current th IEC/EN A Rated operational woltage V 480 Rated operational impulse voltage V 480 Rated short time current low INKA A Conductivity 1s A 250 Conductivity 10/5 mA/V IN/5 mA/V Operational current Is IEC/EN A 20 Ac15 110V A 10 220/230V KW 3 380/400V 6 <		n			GF20
Switching diagram switch 1 pole \mathbb{N}° of elements 1 1 \mathbb{N}° of elements 1 1 Mounting form \mathbb{N}° of elements 1 1 \mathbb{N}° of elements 1 1 1 1 1 \mathbb{N}° of elements 1 1 1 1 1 1 \mathbb{N}° of elements 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					05 - ON/OFF
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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 15kA A 20 Rated short time current lcw 1s A 250 25kA A 20 Conductivity 1s A 250 250 250 250 250 250 250 250 250 250 250 250 20 251 20 251 20 251 20 251 20 251 20 250 20 250 20 20 21 21 20 21 20 21 21 20 21 20 21 21 21 20 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21<	Conventional free air the	ermal current Ith			
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25kA A 20 Rated short time current lcw 1s A 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 Single-phase AC23A 110V kW 2 1.5 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V KW 4					
Rated short time current low 1s A 250 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 Z20/230V 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 3 220/230V kW 3 380/440V kW 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 380/440V kW 2 1 1 380/440V kW 2					
Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC1/AC21A A AC15 110V 100 220/230V AC1/AC21A A AC15 110V AC15 100 AC15 100 Rated operational power in AC A Three-phase AC-3 220/230V Single-phase AC-3 110V Single-phase AC-3 110V XW 0.5 220/230V KW 380/440V KW 220/230V KW XW 1.5 380/440V KW 220/230V KW XW 2	Rated short time curren	t Icw			
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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 1.5 380/440V kW 2 Three-phase AC23A 110V kW 4 380/440V kW 2	Conductivity				10/5 mA/V
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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 1.5 380/440V kW 2 Three-phase AC23A Z20/230V KW Z20/230V KW AC-3 110V kW 0.5 Z20/230V kW 1.5 380/440V kW 2 2 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5		AC1/AC21A			
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 1.5 380/440V kW 2 Three-phase AC23A Z20/230V KW 220/230V KW AC-3 220/230V KW 220/230V KW 220/230V KW 220/230V KW AC23A Z20/230V KW AC23A Z20/230V KW AC23A				A	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 1.5 380/440V kW 2 Three-phase AC23A Z20/230V kW 4 Z20/230V kW 7.5		AC15	440)/	•	10
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 1.5 380/440V kW 2 Three-phase AC23A Z20/230V KW 220/230V KW AC23A Z20/230V KW					
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 1.5 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 4					
Three-phase AC-3 220/230V kW 3 380/440V kW 5 Single-phase AC-3 110V kW 0.5 220/230V kW 1.5 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5	Rated operational powe	er in AC	000/4007	7.	0
220/230V kW 3 380/440V kW 5 Single-phase AC-3 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 AC-3 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			220/230V	kW	3
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			380/440V	kW	5
220/230V kW 1.5 380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5		Single-phase AC-3			
380/440V kW 2 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5					
Three-phase AC23A 220/230V kW 4 380/440V kW 7.5					
220/230V kW 4 380/440V kW 7.5			380/440V	кVV	2
		Inree-phase AC23A	220/2201/	L\\\/	Δ
Single-phase AC23A		Single-phase AC23A	00077000		1.0
110V kW 0.75			110V	kW	0.75
220/230V kW 2					
380/440V kW 2.5			380/440V	kW	2.5

Rated operational current in DC

GF2005U25

GF2005U25



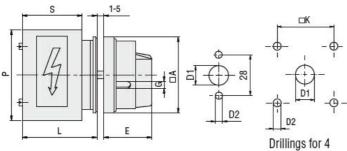
ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 48X48MM

	D 0044			
	DC21A	40) (^	00
		48V 60V	A	20
		110V	A	20
		220V	A A	4 0.7
		440V	A	0.2
	DC13	440 V	A	0.2
	DC13	24V	А	6
		48V	A	6
		40V 60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		1101	W	0.8
Mechanical features				0.0
Terminals screw				M3
Tightening torque for the	erminals 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			
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			40
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on			10.40
Frontal IP degree				IP40
Terminals IP degree				IP20
Dimensions				

GF2005U25



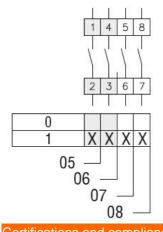
ROTARY CAM SWITCH GF SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 48X48MM



screws fixing (4V version).

Carias	Dimensions				L					
Series	□A	D1	D2	E	G	□K	1	2	3	12
GF20	48	12	5	34.2	5	36	44	57.5	71	192.5

Wiring diagrams



Certifications and co	mpliance	
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

EC001029 -Selector switch, complete

GF2005U25