

ENERGY AND AUTOMATION

Product designation		Rotary cam switches
Product type designation		GF20
General characteristics		01 20
Switching diagram		53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements		3
Mounting form		U25 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Contact characteristics		
Rated insulation voltage Ui IEC/E UL/CS		480 240
Rated impulse withstand voltage Uimp	kV	4
Conventional free air thermal current Ith IEC/E UL/CS		20 15
Rated operational voltage	V	480
Rated operational impulse voltage	kV	4
Maximum fuse size for short-circuit protection In (gG)		
10k 15k 25k	А А	20 20 20
Rated short time current Icw		250
Conductivity		10/5 mA/V
Operational current le IEC/EN		_
AC1/AC21A	Α	20
AC15 110 220/230 380/400	V A	10 8 6
Rated operational power in AC		
Three-phase AC-3 220/230 380/440		3 5
Single-phase AC-3	v 17.8.8	
110 220/230 380/440	√ kW	0.5 1.5 2
Three-phase AC23A 220/230 380/440		4 7.5
Single-phase AC23A 110		0.75



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Rated operational current in DC DC21A					
Rated operational current in DC DC21A 48V			220/230V	kW	2
DC21A			380/440V	kW	2.5
ABV	Rated operational cur				
Conductor size (IEC) - Flexible cable		DC21A			
110V					
Part					
DC13					
DC13					
Resistance & Protection		DO40	4400	Α	0.2
ABV		DC13	241/	۸	C
Conductor size (IEC) - Flexible cable Max May May					
110V					
Power dissipation					
Name					
Power dissipation W					
Max	Power dissination		440 V		
Terminals screw M3 Tightening torque for terminals max Nm 0.5				V V	J.U
Tightening torque for terminals max					M3
AWG - Rigid cable		terminals may		Nm	
AWG - Rigid cable		terriniais max		1 1111	0.0
AWG - Flexible cable	Conductor Size	AWG - Rigid cable			
AWG - Flexible cable		AVVO - Migid cable	min	ΔWG	20
AWG - Flexible cable					
Max AWG 20 Max AWG 12		AWG - Flexible cable	IVICA	AVVO	12
Max AWG 12 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Max mm² 2.5		AVVG T TOAIDIC CADIC	min	AWG	20
Conductor size (IEC) - Flexible cable					
Max mm² 0.5 Max mm² 2.5		Conductor size (IEC) - Flexible cable	Wax	7,,,,,	
Max mm² 2.5		Conductor Sizo (120) Trovisio Gaste	min	mm²	0.5
Conductor size (IEC) - Rigid cable					
Mechanical life		Conductor size (IEC) - Rigid cable			
Mechanical life cycles 1x10° 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 Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP20			min	mm²	0.5
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 Min °C -25 max °C +55 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP20					
Motor power for direct-on-line control	Mechanical life			cycles	
for three-phase motor 240V HP 3 for single-phase motor 240V HP 1 Ambient conditions Temperature Min °C -25 max °C +55 Storage temperature Min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP20					
for three-phase motor 240V HP 3 for single-phase motor 240V HP 1 Ambient conditions Temperature Min °C -25 max °C +55 Storage temperature Min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP20	Motor power for direc	t-on-line control			
Ambient conditions Z40V HP 3	·				
Ambient conditions		·	240V	HP	3
Ambient conditions		for single-phase motor			
Operating temperature			240V	HP	1
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP20	Ambient conditions				
min °C -25 max °C +55	Temperature				
max °C +55		Operating temperature			
Storage temperature min or company or constance & Protection -40 max or company or constance & +70 Resistance & Protection IP40 Terminals IP degree IP20			min		-25
min mn max °C max -40 max Resistance & Protection IP40 Terminals IP degree IP20			max	°C	+55
Resistance & Protection Frontal IP degree Terminals IP degree IP40 IP20		Storage temperature			
Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP20			min		-40
Frontal IP degree IP40 Terminals IP degree IP20			max	°C	+70
Terminals IP degree IP20	Resistance & Protect	ion			
ETIM classification					IP20
	ETIM classification				





ETIM 8.0

EC001029 -Selector switch, complete