

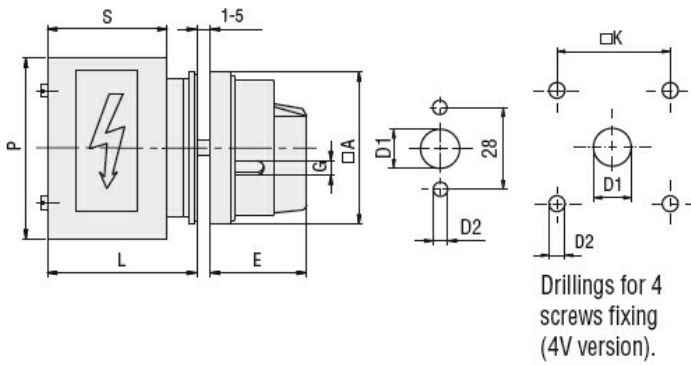
**General characteristics**

Switching diagram	25 - 1-phase motor reversing switch with spring return
N° of elements	2
Mounting form	U25 - Front mounting with red/yellow handle padlockable in 0 and protection covers

**Contact characteristics**

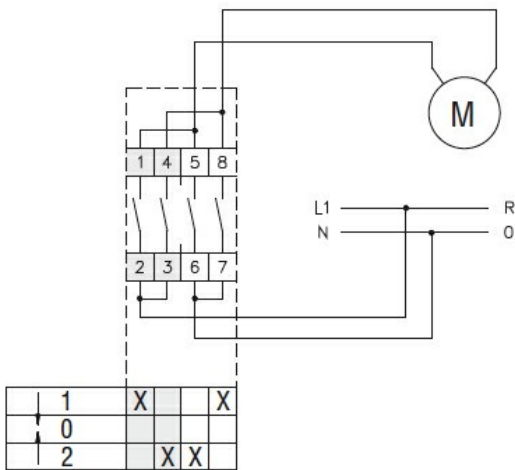
Rated insulation voltage $U_i$	IEC/EN	V	480
	UL/CSA	V	240
Rated impulse withstand voltage $U_{imp}$		kV	4
Conventional free air thermal current $I_{th}$	IEC/EN	A	20
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	20
	15kA	A	20
	25kA	A	20
Rated short time current $I_{cw}$	1s	kA	250
			10/5 mA/V
Conductivity			10/5 mA/V
Operational current $I_e$ 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
	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 AC23A	110V	kW	0.75
	220/230V	kW	2
	380/440V	kW	2.5
Rated operational current in DC	DC21A		
	48V	A	20

		60V	A	20
		110V	A	4
		220V	A	0.7
		440V	A	0.2
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DC13		24V	A	6
		48V	A	6
		60V	A	3
		110V	A	1
		220V	A	0.4
		440V	A	0.15
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Power dissipation			W	0.8
<b>Mechanical features</b>				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.5
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Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
<hr/>				
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
<hr/>				
	Conductor size (IEC) - Flexible cable			
		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
<hr/>				
	Conductor size (IEC) - Rigid cable			
		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
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Mechanical life			cycles	1x10 <sup>6</sup>
<b>UL technical data</b>				
Motor power for direct-on-line control				
	for three-phase motor			
		240V	HP	3
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	for single-phase motor			
		240V	HP	1
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<b>Ambient conditions</b>				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
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	Storage temperature			
		min	°C	-40
		max	°C	+70
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<b>Resistance &amp; Protection</b>				
Frontal IP degree				IP40
Terminals IP degree				IP20
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<b>Dimensions</b>				



Series	Dimensions						L			
	□A	D1	D2	E	G	□K	1	2	3...12	
<b>GF20</b>	48	12	5	34.2	5	36	44	57.5	71	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**

ETIM 8.0

EC001029 -  
Selector switch,  
complete