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Automatismes & Industrie



FREQUENCY INVERTER VFR-013

TUTORIALS

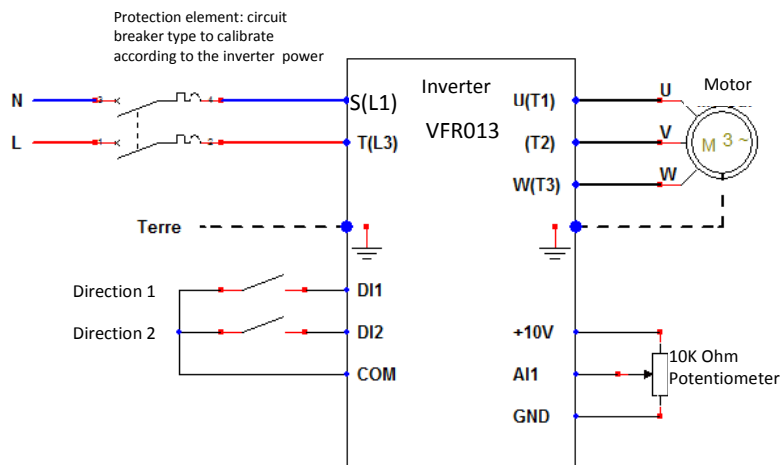
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1. STANDARD

Standard application with a pilot age of the direction of rotation and speed by contacts and potentiometer.

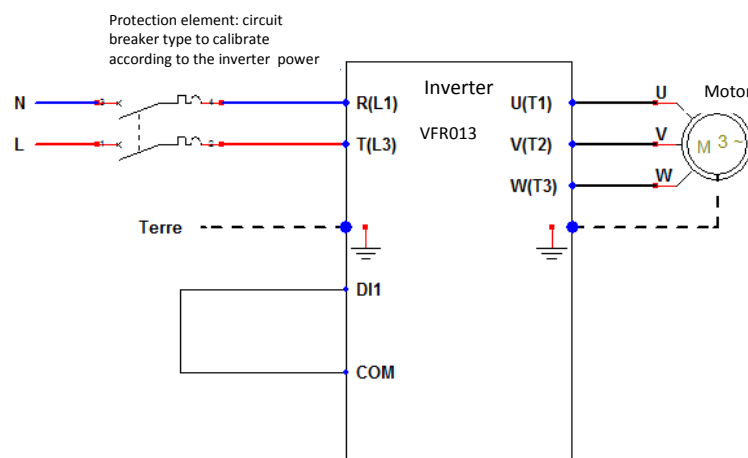


Example of an electric connection with a single phase inverter. Also available in three phase

Parameter	Designation	Value
F0.02	Frequency control	1
F0.04	Instruction control	1
F0.05	Acceleration time	10 sec
F0.06	Deceleration time	10 sec
F1.00	Configuration of DI1 input	1
F1.01	Configuration of DI2 input	2

2. QUICK START

Motor rotation from the switching on of the inverter for applications requiring a steady functioning or a restart after a power outage. (Example: ventilation)

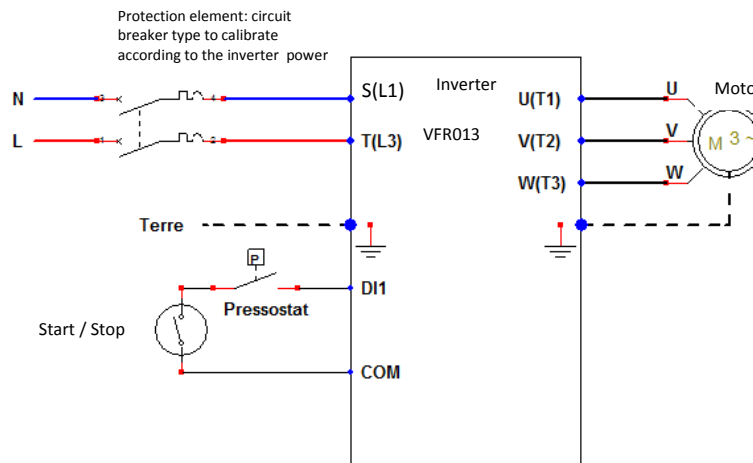


Example of an electric connection with a single phase inverter. Also available in three phase

Parameter	Designation	Value
F0.02	Frequency control	1
F0.04	Instruction control	1
F0.05	Acceleration time	10 sec
F0.06	Deceleration time	10 sec
F1.00	Configuration of DI1 input	1

3. COMPRESSOR

Motor starts and stops by the electric contact of the pressure switch.



Example of an electric wiring with a single phase inverter. Also available in three phase

Parameter	Designation	Value
F0.02	Frequency control	1
F0.04	Instruction control	1
F0.05	Acceleration time	3 sec
F0.06	Deceleration time	2 sec
F1.00	Configuration: DI1 input	1



During the first try, be careful with the right direction of rotation.

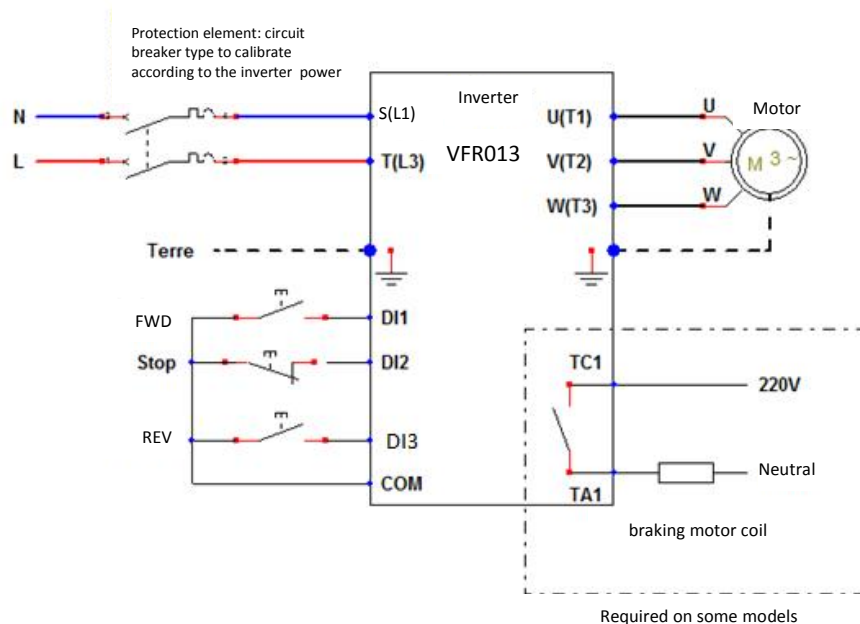


4. TOUR

Pilotage of the 2 direction of rotation and stop by impulsion.

Possibility to pilot a motor braking running out of power.

Possibility to inject steady current in the motor at the end of the deceleration to immobilize the rotation shaft.



Parameter	Designation	Value
F0.02	Frequency control	1
F0.04	Instruction control	1
F0.05	Acceleration time	5 sec
F0.06	Deceleration time	3 sec
F1.00	Configuration: DI1 input	1
F1.01	Configuration: DI2 input	3
F1.02	Configuration: DI3 input	2
F1.06	Control with 3 electric wires type 1	2
OPTION WITH BRAKING		
F2.03	Shift output TA1,TB1,TC1	1
F3.06	Braking frequency	10 Hz
F3.07	Waiting time with injection of the direct current	0.0 sec
F3.08	Injection power	30%
F3.09	Injection time of the direct current	1 sec