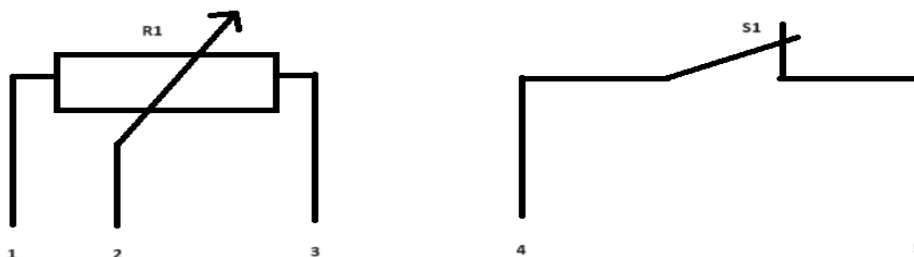


F-17 Pedal with 10kOhm Potentiometer

Pedał z potencjometrem i switchem, idealny do sterowania prędkością obrotową w:

Pedal with potentiometer and switch, ideal for controlling rotational speed in:

- Induction motors using a frequency inverter. On this page, you will find a connection description and a video demonstrating the control of a 0.75 kW induction motor with the V1000 Yaskawa (Omron) inverter.
- DC motors, e.g., BLDC. On this page, you will find a connection description and a video demonstrating the control of a 57BL80-230 BLDC motor with the BLD-120A controller.



Potentiometer R1= 10kOhm

- 1- GND.
- 2- POT.
- 3- „+”

Switch S1: max. 5A/250Vac

- 4- COM.
- 5- NC.

In the neutral position, the S1 switch of F-17 is open, and the potentiometer is in the zero position. With minimal pedal movement, the S1 switch is in the closed NC position, and the potentiometer starts working as a voltage divider in the range from 0 to 10kOhm. It is used in our devices wherever user-controlled linear speed control is needed. Below are examples of application in our devices and sample connection methods with the V1000 inverter and BLD-120A controller. The F-17 pedal was created using 3D printing.

Warranty:

When you purchase F-17, you get a one-year warranty. Keep the proof of purchase to avail of it.

The seller provides a 12-month warranty on the delivered product. The warranty period starts from the moment of product delivery. This means:

1) If the F-17 device under warranty stops working or is damaged but was used according to its intended purpose, the seller undertakes to replace the entire device after receiving the damaged unit and a copy of the purchase receipt.

Induction motor 0.75kW + V1000 inverter

GND(1)---- AC

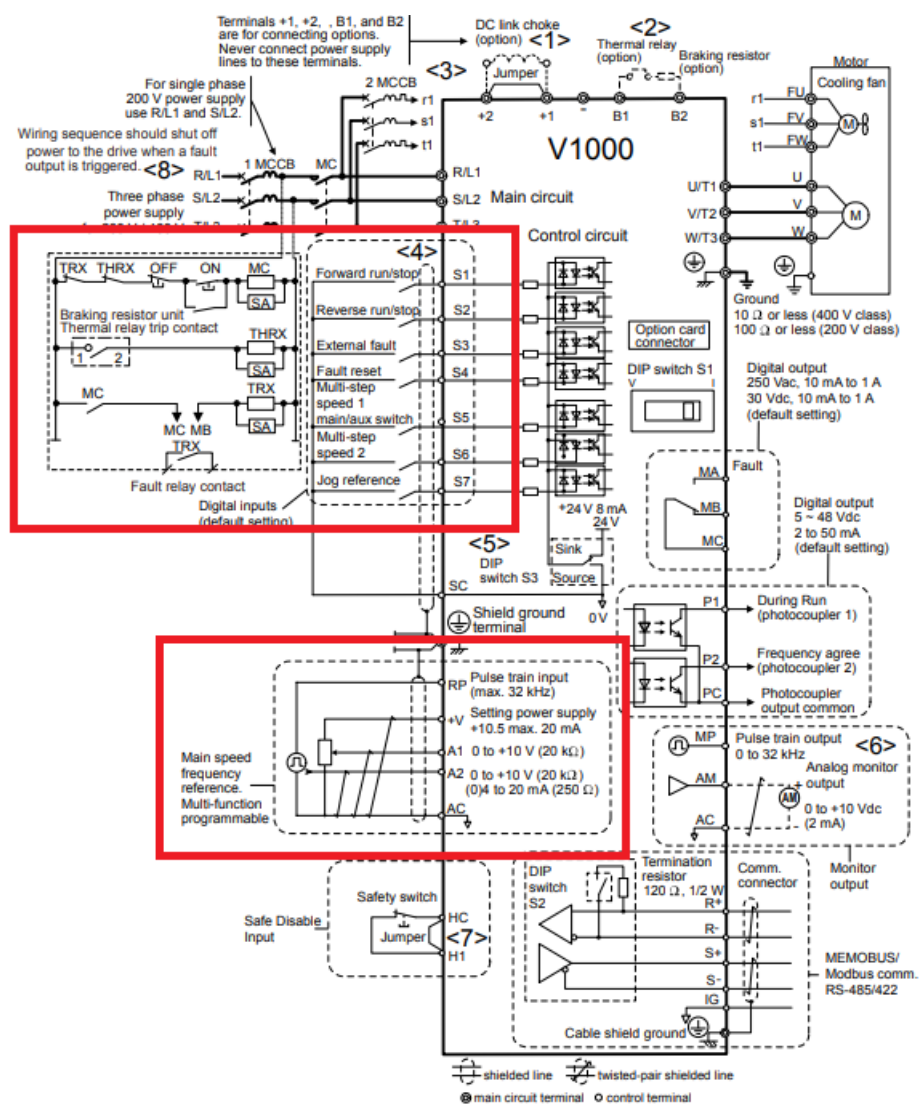
POT.(2)----A1

„+”(3)---- V+

COM.(4)---SC.

NC.(5)---S1

With the default inverter settings, you will be able to rotate the motor in one direction assigned to digital input S1. Connecting NC.(5) to S2 will change the direction of rotation.



motor BLDC 57BL80-230 +controler BLD-120A

GND(1)---- COM(0VDC), brown

POT.(2)----SV, yellow

„+”(3)---- 5VDC, orange

COM.(4)---COM(0VDC), brown

NC.(5)---BRK+EN, gray + white

The green F/R wire is used to change direction. If you want to control the motor speed with a potentiometer, remember to turn it to min. RV."

