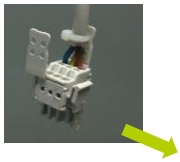
UniCOS / Plixus Power connections

Power connection

Connect 48VDC as shown on picture below

WAGO power connector

it is advised to use the strainreliefs

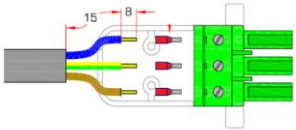
Each power connector has 2 x 3 contacts so are suitable for daisy chain connection

Power connector article nr = 05.70.7115

Strain relief article nr = 05.70.7116

Plixus MME / PS power connector

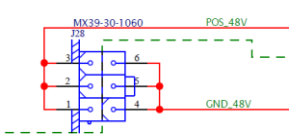
+48Vdc = brown
0V = blue
Earth = green/yellow

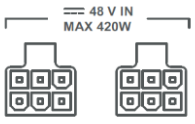


Power connector article nr = 05.70.0153

Power connector housing article nr = 05.70.0155

Plixus AE-R power connection





PS for Plixus NEXT derived from Plixus AE-R PS

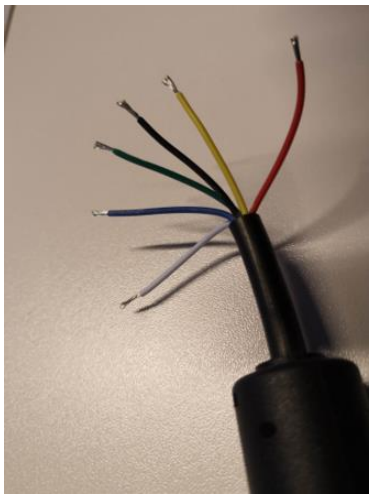
Take an AE-R PS (type AWP220S48VGN – 20.80.0008)

This step for step guide is created for type AWP220S48VGN – 20.80.0008. So make sure you have the correct adaptor

Cut the original connector

You may cut the original connector. It's best to cut as close as possible to the connector so you won't be losing to much wire. It's important that you don't cut after the ferrit bead, so that it's still in place!

Strip down the plastic shielding, making the sure that 6 wires (preferably the same length) are all visible. Also strip down the plastic shielding of te 6 wires, making sure a part that a part of the core is free.

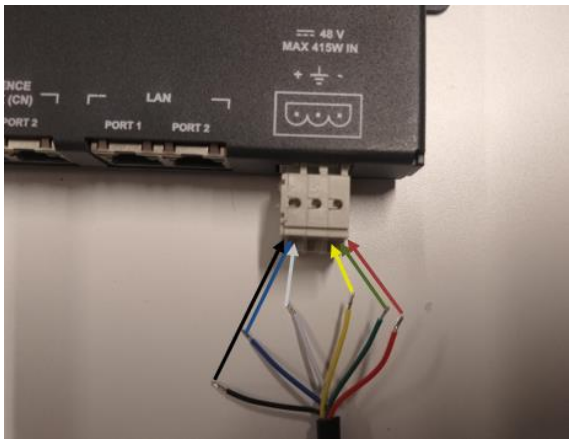


Connect the wires to the WAGO connector

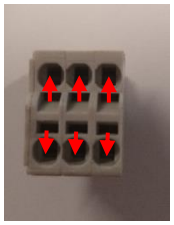
Now you can put the wires to there proper place in the WAGO connector.

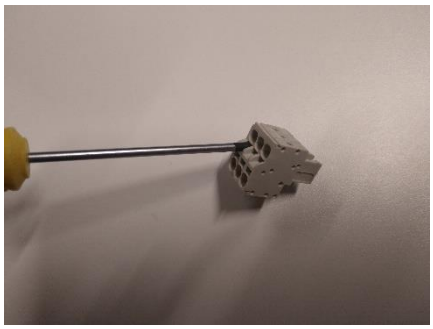
Positive (+)	Negative (-)
Black	**Green**
White	**Yellow**
Blue	**Red**

Important note : The above colors are the standard used colors for + and - , but it is advised to double check with Vdc meter



To insert the wires in the WAGO connector you will need to use a flat screwdriver.
You first need to insert the screwdriver in the connector to open the wire-clamp. Then you may insert the wires in the WAGO. If the wires are properly inserted in the connector you may release the screwdriver. This ensures that the wires are securely seated in the connector. **Check if the wires are securely seated in the connector before continuing!**





Connect connector to the NEXT

Connect the connector the NEXT. Check the wiring again before providing power to the PS **(black, white, blue -> + & green, yellow, red -> -)**

Note: With this solution you only have 200W power available. So you can only connect devices consuming up to 200watt in total!

Unicos Gen2 power connection via WAGO and Kycon connector