Connection

Motoric Valve Drive 24 V (AM3) · https://faqdoc.info/en/systemauswahl/motoric-valve-drive-6/motoric-valve-drive-24-v-am3-en/connection/

MPR, MPV, MPO

24 V a.c. L1 / d.c. +	black
24 V a.c. L2 / d.c. – common ground	blue
Control Voltage, IN 0 – 10 V	red
Feedback 0 – 10 V, OUT < 1 mA	yellow

Connection line

We recommend the following maximum cable lengths for installing a 24 V system:

Cable	Section	Length
Standard DDC line	0.22 mm²	20 m
J-Y(ST)Y	0.8 mm²	45 m
NYM/NYIF	1.5 mm²	136 m

Transformer/power supply unit

A safety isolating transformer according to EN 61558-2-6 or a switching power supply according to EN 61558-2-16 must always be used.

The dimensioning of the transformer or the switching power supply results from the maximum making capacity of the OEM Actuators.

M3P/M3V: **3-point control**

Feature	Description

L2 common ground (blue)	Ground
L1-2 (voltage to red)	Valve pressure plate retracts
L1-1 (voltage to black)	Valve pressure plate extracts
No voltage to red/black	Valve pressure plate remains in the current position

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M3P/M3V: **2-point control**

Feature	**Description**
L2 common ground (blue)	Ground
L1-2 (voltage to red)	Valve pressure plate retracts
L1-1 (voltage to black)	Valve pressure plate extracts
No voltage to red/black	Valve pressure plate remains in the current position