Connection diagram ELEVATE Modbus TCP/IP
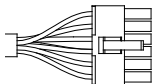
LC3 XXX XXX F700 00 XXXX X X 3 1 4 - X H 0 (ELEVATE Modbus)
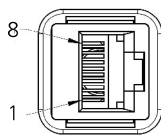
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24V DC

BROWN

BLUE

Signal

Run In **BLACK**

Run Out **RED**

Split Power Supply **ORANGE**

Communi-cation

Ethernet RJ45
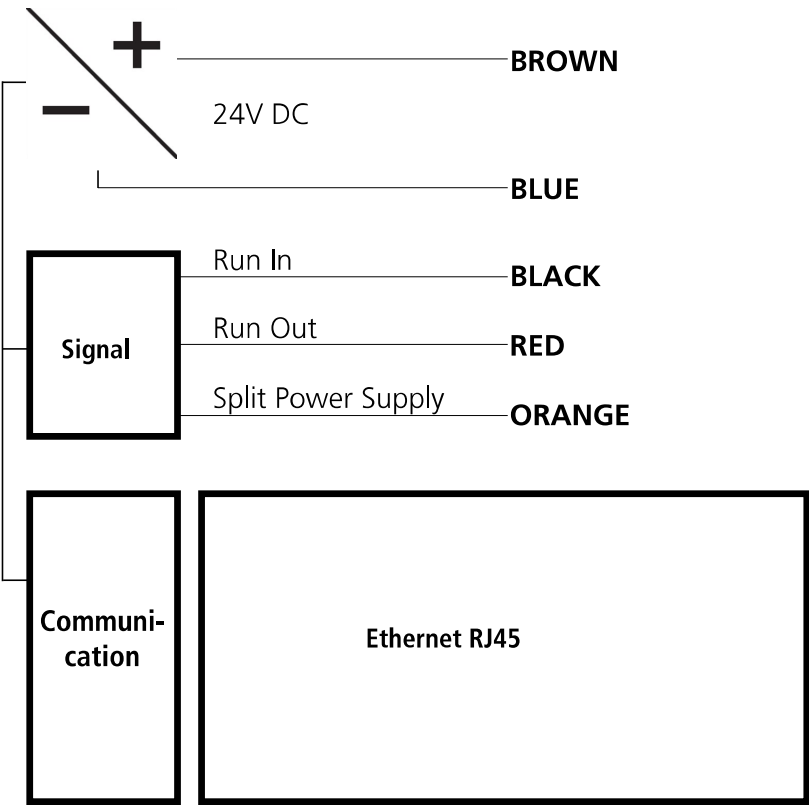
Power Cable

Flying Leads

Signal Cable

Flying Leads
(Molex mini-fit 12-pin)

Ethernet

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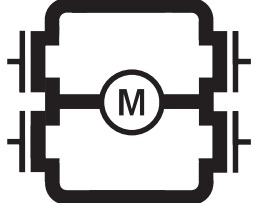
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Please be aware that if the power supply is not properly connected, you might damage the column!

I/O Specifications Elevate Modbus TCP/IP

Input/Output	Specification	Comments
Description	Easy to use interface with integrated power electronics (H-bridge). Uses Modbus TCP/IP messages to command movement, setting parameters and to deliver feedback form the lifting column	H-Bridge
Brown	24 VDC + (VCC) Connect Brown to positive 24 V ± 10 % 24 V, max. 20 A - current cut off @20A	Note: Do not change the power supply polarity on the brown and blue wires!
Blue	24 VDC - (GND) Connect Blue to negative	Power supply GND (-) is electrically connected to the housing
Red	Extends the column	The signal becomes active at: $> 67\%$ of V_{IN}
Black	Retracts the column	The signal becomes inactive at: $< 33\%$ of V_{IN} Input current: 10 mA The column comes with a 1500 ms soft stop and start
Green	TX -	
Yellow	RX +	
Orange	Split supply: 24VDC with ≈28mA current consumption. Connect to positive. The split supply uses the common GND from the power supply	Split supply is for communication power of the controller only.
Light Blue	RX -	
Violet	Service interface	
White	TX +	
Grey	Service interface GND	