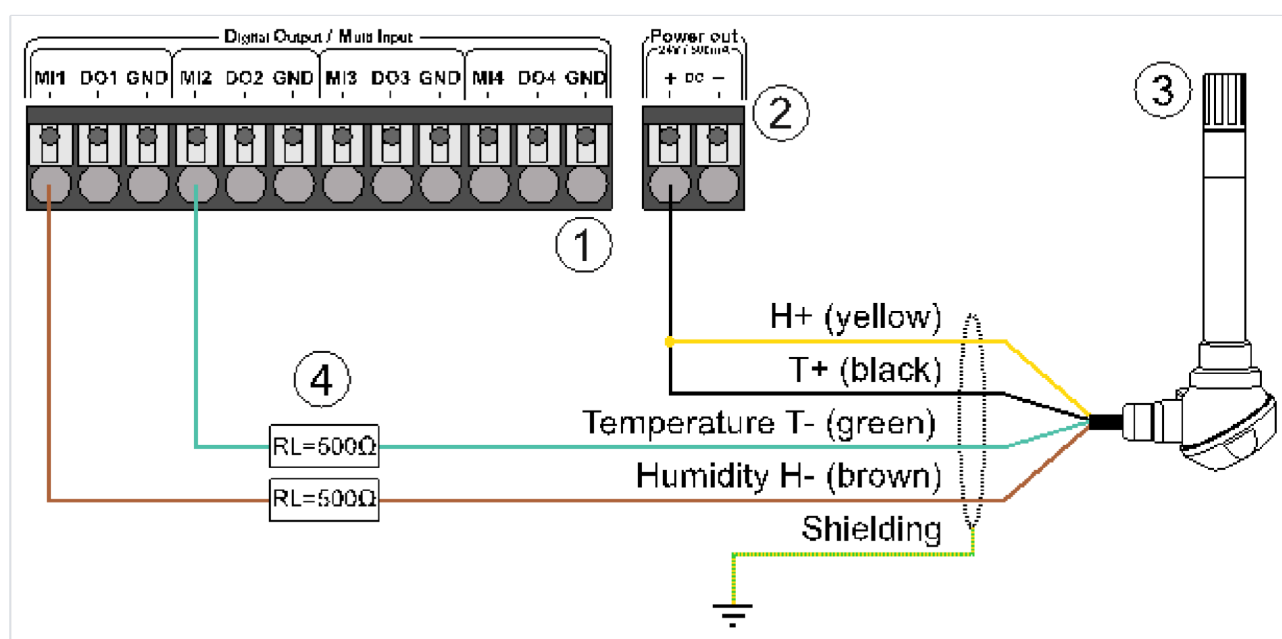


mc compact hygro-thermal sensor

Connection to blue'Log XM/XC

- At a supply voltage of 24 V DC at the sensor, the load resistance (cable + input resistance data logger) should be between 600 and 700 Ω to obtain the best measurement results.
- The input resistance of the data logger is 40 Ω .
- The installation of an additional resistance (approx. 500 Ω) improves the measurement accuracy of the sensor.



mc compact hygro-thermal sensor: Sensor connection

	Description
1	Data logger terminal, digital output / multi-input
2	Data logger terminal, Power Out
3	Hygro-thermal sensor
4	Load resistor

Connection

Wire color	Use
Yellow	Ambient air humidity power supply (24 V DC)
Black	Temperature power supply (24 V DC)
Green	Temperature signal (4 ... 20 mA)
Brown	Ambient air humidity signal (4 ... 20 mA)

Configuration data

Measurement	Input	Unit	Gradient	Offset
Temperature	Analog 4 ... 20 mA	°C	6.25	-55
Ambient air humidity	Analog 4 ... 20 mA	% r. h.	6.25	-25

Item numbers

Sensor	Item nos.
mc compact hygro-thermal sensor	423.309