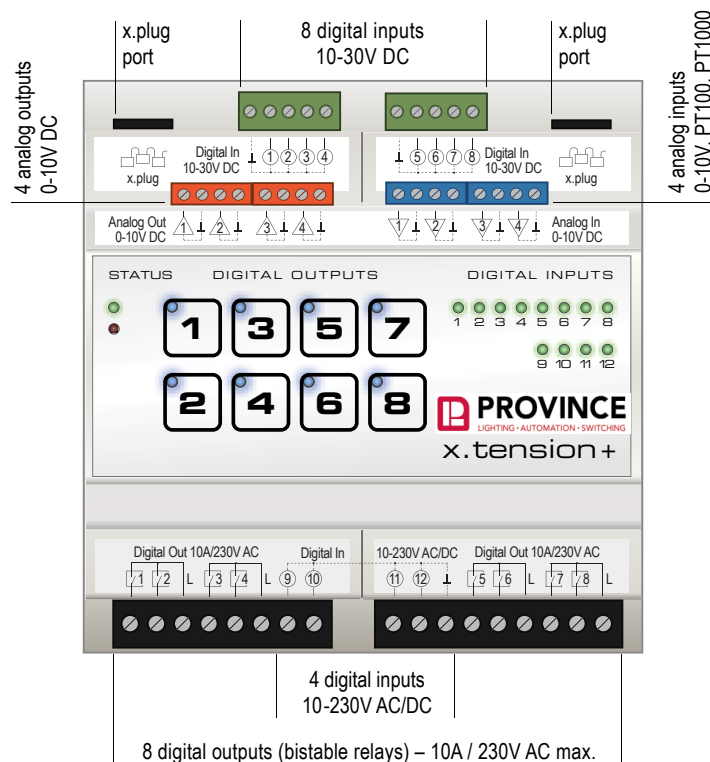


x.tension | x.tension+

The x.tension modules are equipped with inputs and outputs and provide a simple and inexpensive way to extend a next.controller/pro over the x.plug interface. The power supply for the modules are also done by the x.plug connection.

The x.tension+ (plus) offers in addition to the digital inputs and outputs, each 4 analog inputs and outputs.



Highlights:

- Inputs: 12x digital (8x 10-30 V DC, 4x 10-230 V AC/DC)
4x analog (0-10 V / PT100 / PT1000) ☑ only for x.tension+
- Outputs: 8x digital (bistable relays, 10 A / 230 V)
4x analog (0-10 V DC) ☑ only for x.tension+
- Manual operation of the 8 relay outputs via membrane keys and status LEDs
- Capacitors to reduce current peaks on relay switching operation

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Inputs and Outputs	
Digital inputs	8x 10-30 V DC (common potential) max. 100 Hz 4x 10-230 V AC/DC (galvanically isolated – common potential) max. 10 Hz current consumption approx. 2 mA per channel minimum signal level ≥ 7 V inputs usable for S0 counter (configurable via next.manager software)
Digital Outputs (Relays)	bistable 2-coil relays (low power consumption on standby as well as on retaining the switching state on power loss) max. 10 A at 230 V AC ($\cos\phi=1.0$) common potential for each 2 relays (max. 16 A total per 2 channels) switching mode configurable per next.manager (2 channel-locking for motorized devices), default is locked
Analogue outputs ☒ only x.tension+	4x 0-10 V DC max. burden: >470 ohm can be used with external dimming modules
Analogue inputs ☒ only x.tension+	4x 0-10 V / PT100 / PT1000 (individually configurable via next.manager software) max. input voltage 12 V DC, max. 50 Hz; input impedance: >1 kohm
x.plug interface	2x x.plug connectors to connect to the next.controller / next.controller pro and to additional extension modules (automatical addressing and power supply)
Features	
Control	manual operation of the 8 relay outputs via membrane keys
Configuration software	next.manager (live configuration)
Electronic	capacitors to reduce current peaks on relay switching operations
Status LEDs	operation (green), error (red)
Power supply	via x.plug (from next.controller / next.controller pro)
Power consumption	<1 W in operation, max 6W while switching
Casing	din rail mount (35 mm, DIM EN 60175) protection class IP20 dimensions: 107 x 110 x 62 mm (6 HP)
Weight	0,4 kg
Packing	dimensions: 240 x 140 x 100 mm
Environmental conditions	ambient temperature: 0-45 °C air humidity: 30%-80%, non-condensing (operation and bearing)

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