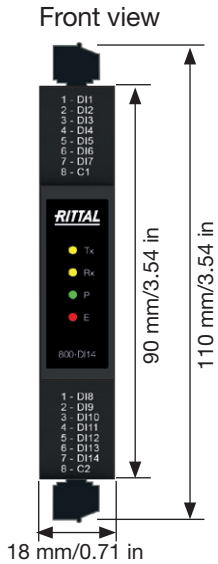


Digital input module 800-DI14

Data sheet

Device views - Digital input module 800-DI14

- The figures serve as illustrations and are not true to scale.
- Dimensions in mm (in).



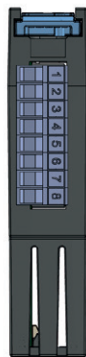
i INFORMATION

The dimensions of the device/module vary depending on the connection terminals used!

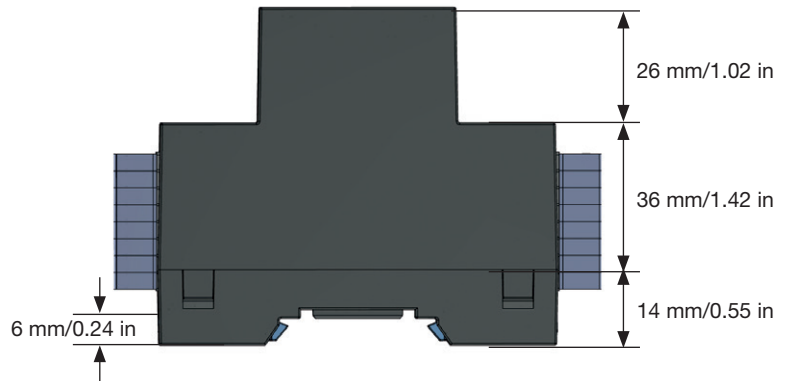
View from below



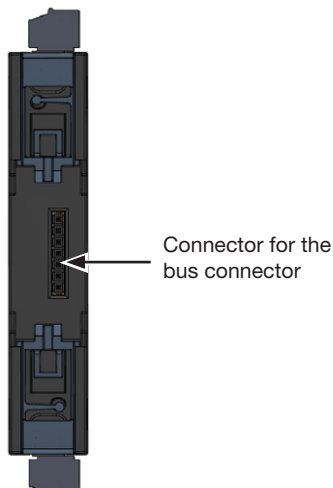
View from above



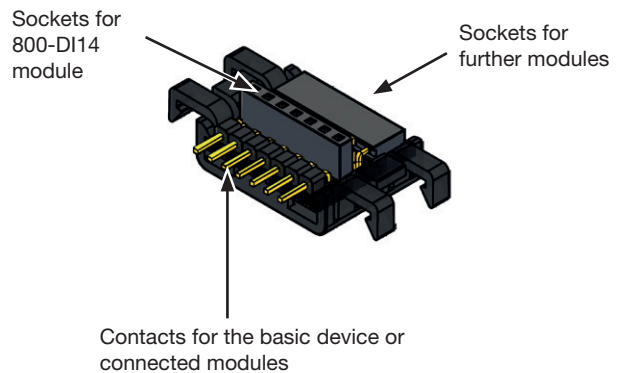
View from the left



Rear view



Communication bus connector for the 800-DI14 module



Technical data - Digital input module 800-DI14

General	
Net weight (with terminals)	73 g (0.16 lb)
Device dimensions (without connection terminals)	W = 18 mm (w = 0.71 in), H = 90 mm (h = 3.54 in), D = 76 mm (d = 2.99 in)
Width of the device in horizontal pitches	1 HP (1 HP = 18 mm / 0.71 in)
Mounting orientation	As desired
Fastening/mounting - Suitable DIN rails - (35 mm / 1.38 in)	TS 35/7,5 according to EN 60715 TS 35/10 TS 35/15 x 1,5
Protection against foreign matter and water	IP20 according to EN60529
Impact resistance	IK07 according to IEC 62262

Transport and storage	
The following information applies to devices which are transported and stored in the original packaging.	
Free fall	1 m (39.37 in)
Temperature	K55 -25 °C (-13 °F) to +70 °C (158 °F)
Relative humidity	0 to 95% at 25 °C (77 °F), no condensation

Environmental conditions during operation	
The module <ul style="list-style-type: none"> · must only be operated with suitable basic devices (see user manual). · is for weather-protected and stationary use. · fulfills the operating conditions according to DIN IEC 60721-3-3. · has protection class II according to IEC 60536 (VDE 0106, Part 1), a ground wire connection is not required! 	
Working temperature	-10 °C (14 °F).. +55 °C (131 °F)
Relative humidity	5 to 95% at 25 °C (77 °F), no condensation
Pollution degree	2
Ventilation	No forced ventilation required.
Supply voltage	Via basic device

Digital inputs	
14 digital inputs, solid state relays, not short circuit proof	
Maximum counter frequency	20 Hz
Input signal applied	18 .. 28 V DC (typically 4 mA)
Input signal not applied	0 .. 5 V DC, current less than 0.5 mA

Interface and energy supply	
JanBus (proprietary)	· Via bus connector
Supply voltage (via JanBus interface)	24 V

Connection capacity of the terminals – Spring terminals (push-in terminals)	
Connectible conductors. Only connect one conductor per terminal point!	
Single core, multi-core, fine-stranded (min. - max.)	0.14 mm ² - 1.5 mm ² , AWG 26-16
Wire ferrules with collar * to DIN 46 228/4, (min. - max.)	0.25 mm ² - 1 mm ² , AWG 22-17
Wire ferrules without collar to DIN 46 228/1, (min. - max.)	0.25 mm ² - 1.5 mm ² , AWG 22-16
Wire ferrules: - Contact sleeve length ** - Strip length	- 8 - 12 mm (0.31 - 0.47 in) - 10 - 12 mm (0.39 - 0.47 in)

* ... Applies to wire ferrules with a maximum plastic collar outer diameter of up to 3.5 mm (0.14 in).

** .. Depending on the type of wire ferrules used (wire ferrules manufacturer).

LEDs	
Tx (send data)	Flash "orange" during operation and indicate cyclic data exchange.
Rx (receive data)	
P (power - power supply)	Lights up "green" when the power supply via the JanBus interface is correct.
E (error - initialization and malfunction)	Lights up "red" when initializing/starting the device and in the event of a fault.

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