



EJ1889 | 16-channel digital input 24 V DC, ground switching

The EJ1889 digital input acquires the binary control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation device. The EJ1889 contains 16 channels, whose signal states are displayed by LEDs. The digital inputs have a 3 ms input filter. The EJ1889 takes the 24 V power contact as its reference for all inputs.

Technical data	EJ1889
Specification	ground switching "0": 18...30 V DC, "1": 0...7 V DC, typ. 3 mA input current
Number of inputs	16
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	18...30 V
"1" signal voltage	0...7 V
Input current	typ. 3.0 mA
Input filter	typ. 3.0 ms
Distributed clocks	–
Current consumption E-bus	typ. 80 mA
Electrical isolation	500 V (E-bus/field potential)
Bit width in the process image	16 inputs
Special features	ground switching
Dimensions (W x H x D)	approx. 12 mm x 66 mm x 55 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection class	IP 20
Approvals	CE