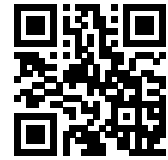# EJ1889 | EtherCAT plug-in module, 16-channel digital input, 24 V DC, 3 ms, ground switching

ℹ Product status: Regular delivery

The EJ1889 digital input acquires binary 24 V control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation unit. The EtherCAT plug-in module contains 16 channels, whose signal state is indicated by LEDs.

Special features:

- ground switching
- no bouncing due to mechanical switches thanks to 3 ms input filter

Product information

Technical Data

Technical data	EJ1889
Specification	ground switching "0": 18...30 V DC, "1": 0...7 V DC, typ. 3 mA input current
Technology	Filter 3.0 ms
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

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Input filter	typ. 3.0 ms
Distributed clocks	–
Current consumption E-bus	typ. 80 mA
Electrical isolation	500 V (E-bus/field potential)
Special features	ground switching
Weight	approx. 30 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Relative humidity	95 %, no condensation
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
Protect. class/installation pos.	IP 20/see documentation
Approvals/markings	CE, UL

Housing data	EJ-12-16pin
Design form	EtherCAT I/O plug-in module
Material	polycarbonate
Installation	on signal distribution board
Mechanical coding	EJ plug-in module: signal-specific coding pins on the housing, signal distribution board: holes in the printed circuit board
Locking	latching lug in circuit board cut-out
Connection method	field wiring: application-specific wiring level on the signal distribution board, EJ plug-in module: 2 x 20-pin socket strip
Dimensions (W x H x D)	12 mm x 66 mm x 55 mm

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