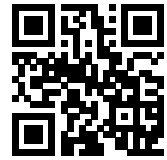


# EJ2809 | EtherCAT plug-in module, 16-channel digital output, 24 V DC, 0.5 A



**i Product status:** Regular delivery

The EJ2809 digital output connects binary control signals from the automation device to the actuators at the process level with electrical isolation. The EJ2809 is protected against polarity reversal and processes load currents with outputs protected against overload and short-circuit. The EtherCAT plug-in module has 16 channels, whose signal states are indicated by LEDs.

Special features:

- Connection of different load types possible (ohmic, inductive, lamp load)
- Max. output current 0.5 A per channel
- Overload and short-circuit proof outputs and reverse polarity protection

## Product information

### Technical Data

Technical data	EJ2809
Technology	$I_{\max} = 0.5 \text{ A}$
Number of outputs	16
Rated load voltage	24 V DC (-15 %/+20 %)
Load type	ohmic, inductive, lamp load
Distributed clocks	–
Max. output current	0.5 A (short-circuit proof) per channel

Short-circuit current	typ. < 2 A
Reverse voltage protection	yes
Breaking energy	< 150 mJ/channel
Switching times	typ. TON: 60 µs, typ. TOFF: 300 µs
Auxiliary power current	typ. 30 mA + load
Current consumption E-bus	typ. 110 mA
Electrical isolation	500 V (E-bus/field potential)
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

<b>Housing data</b>	<b>EJ-12-16pin</b>
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