



## IE240x | 16-channel digital combi input/output 24 V DC, I<sub>max</sub> = 0.5 A

The IE240x digital I/O modules have sixteen channels that can be used as eight inputs and eight outputs. The device can therefore be flexibly adapted to the requirements of the application. The signals are connected optionally through snap type 8 mm diameter connectors (IE2400) or through M8 screw type (IE2401), both of which have four pins (with separate input and output pins). This makes it possible to connect antivalent sensors. Adapter cables are available for use in input-only or output-only cases, as well as connectors for field wireable. It is also possible to use the power supply cable directly as the sensor cable. The outputs handle load currents of up to 0.5 A, are short-circuit-proof and protected against inverse polarity. The state of each signal is indicated by means of light emitting diodes.

Technical data	IE2400	IE2401
Number of channels	16 channels, useable optionally as input and output	
Input/output connections	8 mm, snap type	M8, screw type
Input filter	3.0 ms	
"0" signal voltage	-3...+5 V	
"1" signal voltage	11...30 V, 6 mA input current (EN 61131-2, type 2)	
Sensor supply	from control voltage, max. 0.5 A, short-circuit proof in total	
Load type	ohmic, inductive, lamp load	
Rated load voltage	24 V DC (-15 %/+20 %)	
Max. output current	0.5 A per channel, individually short-circuit proof	
Short circuit current	typ. 1.5 A	
Auxiliary power current	typ. 20 mA per channel	
Current consumption from Us (without sensor current)	25 mA	
Power supply connection	feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin	
Bit width in the process image	8 inputs + 8 outputs	
Electrical isolation	channels/control voltage: no, between the channels: no, control voltage/fieldbus: yes, via IP-Link	
Operating/storage temperature	0...+55 °C/-25...+85 °C	
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27	
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4	
Protect. class/installation pos.	IP 65/66/67 (conforms to EN 60529)/variable	
Approvals	CE, UL	