

# ESP302

## Transition Module for 302

### Adapter Module for

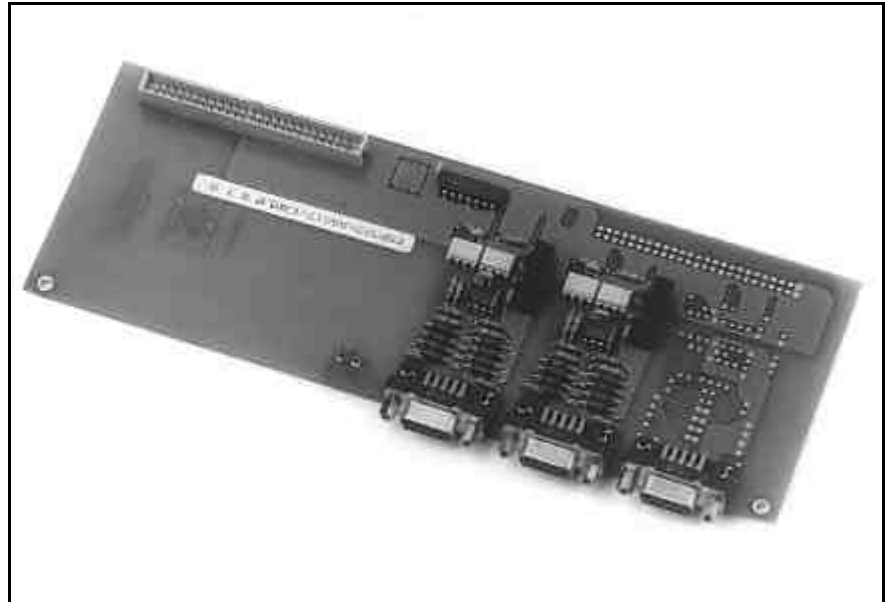
- GreenSpring IP-302
- Electrically isolated

### Connectors

- 3 RS-422-interfaces via 9-pole DSUB females

### Application

- Front panel wiring in 19" systems
- Communication
- Remote controller
- Data acquisition



### Wiring

The adapter board enables the user of IndustryPacks IP-302 to connect the three serial ports to a front panel via 9-pole DSUB connectors.

The connection to the IP is done by a 50-pole flat cable with post connectors.

### Circuit Protection

Each RS-422-interface at the ESP302 is electrically isolated from the IP-module and from each other. The isolation is realised by optocouplers and DC/DC converters.

The signal lines of the RS-422-interface are protected by transil diodes against over voltages.

### Front Panel

The adapter board is equipped with a one slot front panel in 6 U format. The front panel is designed for a maximum RF shielding in combination with shielded cases. For a contact to adjacent front panels and for RF shielding the front panel is equipped with high-grade steel contact springs.

### Connectors and interfaces:

Suitable for GreenSpring IP:	IP-302, connection via 50-pole flat cable
Configuration:	RS-422, electrically isolated, signal line protection by transil diodes
Connectors:	three 9-pole shielded DSUB females on the front panel (connector shield connected to front panel)

### General:

Ambient temperature:	0...50 °C
Humidity:	max. 90%, non-condensing
Board size:	233 mm x 84 mm
Weight:	170 g
Front panel:	chromated aluminium, 1 slot wide, 6 U high, fixing by 2 neck screws in pressed metal nipples, high-grade steel contact springs for RF shielding

### Order information:

Designation	Order no.
ESP302 Adapter module incl. front panel and 50-pole flat cable including connectors	K.0415.07