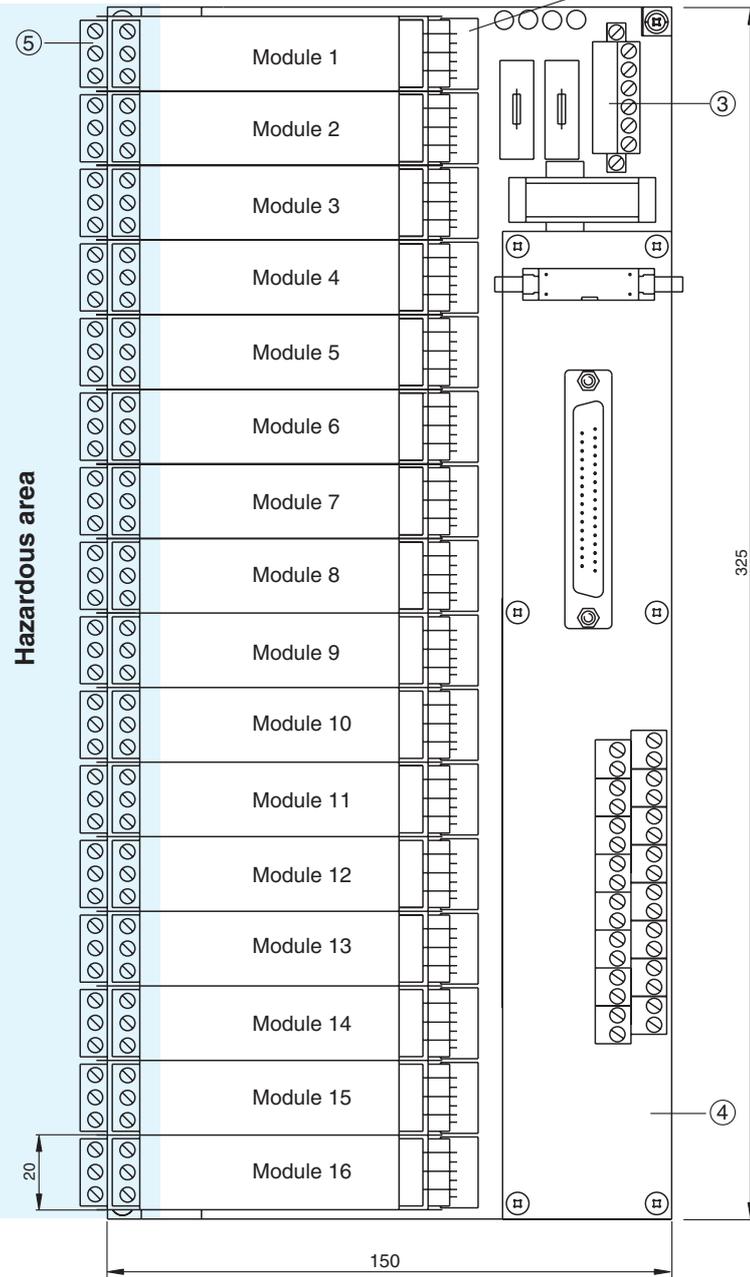
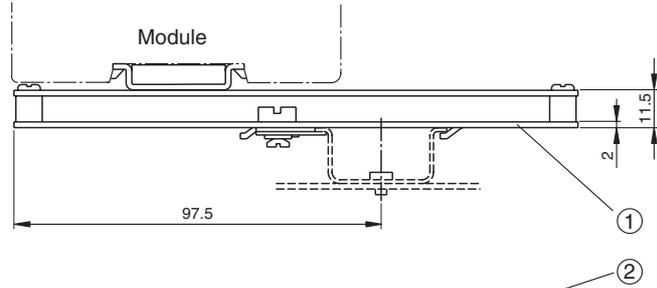


Dimensions



Type code

MB...

Features

- For 4, 8, 12 or 16 KFD2-... type modules
- Max. 64 channels
- Redundant supply
- Fault signal on blown fuse
- Optional: Second pick-off for communication, HART connection, Lead breakage/short circuit indication (LB/SC)
- Increased stability is provided by a metal mounting plate
- Simple mounting with DIN rail adapter
- Adaptable to different control systems via specific adapter boards

Function

Drawing positions:

- 1 Metal base plate with integrated DIN rail adapters
- 2 Lead connector from module to pcb
- 3 Removable terminal strip for redundant supply and alarm, lead breakage and short circuit monitoring also optional
- 4 Adapter board with customer-specific system connectors (for PLC/DCS)
- 5 Ex-inputs are directly wired to the modules

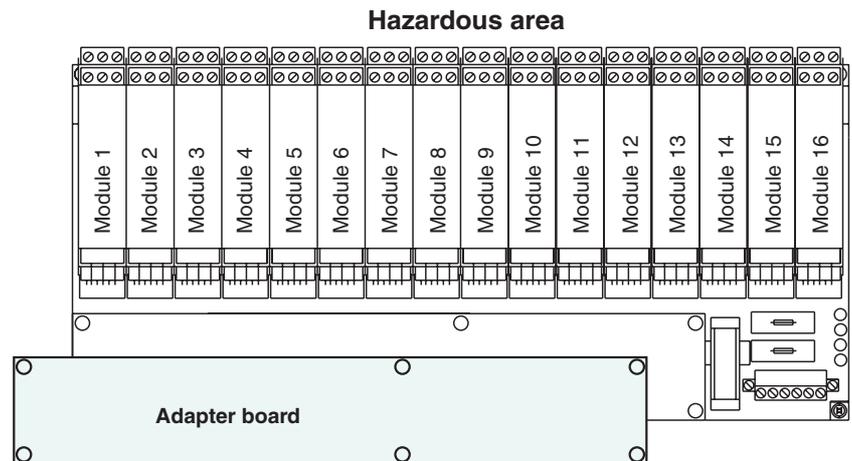
Technical data

<b>Supply</b>	
Connection	redundant
<b>Mechanical specifications</b>	
Mass	approx. 1000 g
Dimensions	11 x 150 x 325 mm (0.4 x 5.9 x 12.8 in)
Mounting	DIN rail

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## Composition

### Motherboard, adapter board



## Function

The interface modules are basically connections to an upper level controller system (PLC/Process control system), combined in multi-channel function groups. An important aspect of this interface is its efficient and safe operating design. Pepperl+Fuchs offers the mounting concept with motherboard.

Standard motherboards are available for 4, 8, 12 and 16 K-modules. These can accommodate modules with 1-, 2- or 4-channel modules, as required. The power source features a redundant design, thus increasing the reliability of the system. The operating status of the power supply is monitored and reported via a relay output.

The motherboards are available with permanent functions (DI, DO, AI, AO).

They are connected directly to the I/O cards of the respective automation system via special adapter boards and the system cable.

The K-modules are connected with the motherboard on the non-Ex-side via 2- to 6-pin codeable cable connectors. The motherboard circuit board is mounted on a stable metal mounting plate. Two mountings are integrated in the mounting plate, enabling the boards to be simply and quickly mounted on a standard 35 mm rail to EN 50022.

Pepperl+Fuchs offers standard adaptations for automation systems (adapter board) from the following manufacturers:

ABB, Emerson, Fisher+Porter, Foxboro, Hima, Honeywell, Moore, Siemens, Triconex and Yokogawa.

Special solutions can be devised on request. Detailed documentation on the individual adaptations is also available on request.

The Pepperl+Fuchs motherboard offers the following advantages:

1. Packing density has been increased by integrating the power feed module and system connectors.
2. The redundant power supply and the system cable interface for upper level controller systems increase functional safety and reduce remote wiring costs.
3. The motherboard is matched to an upper level controller system via an adapter circuit board with the corresponding system connector.