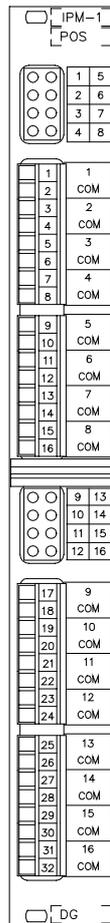


# Delomatic – Multi-function system

## Data IPM-1, Input Module

4921240052D



### IPM-1, Input Module:

- 16 input channels
- Each channel can be set up for either binary or analogue input (0...10V DC or 4...20mA)

## Input module (IPM-1)

The InPut Module (IPM) consists of 16 input channels which may be individually configured as a current input (0...20mA), a voltage input (0...10V) or as a binary input (CC/CO). Live zero (offset) of the analog inputs (e.g. 2...10V or 4...20mA) are available through the application program. The input channel configuration (analog/binary) must correspond to the input definitions in the application program (in the CM).

The status on the binary input is detected by an active voltage level detector circuit in the IPM, which may be connected to a potential free contact only.

All "COM" terminals are in all three configurations connected to the internal ground. Cable supervision is optional for channels configured as binary input.

Dimension:	Width 30.5 mm (6 TE)
Weight:	0.40 kg (0.9 lb)
Supply:	From the PSM via the back plane.
Power consumption:	Typ. 1.5W. Max. 3W.
LED:	"1...16" LEDs are only active when an input is used as binary input. <u>Red</u> LED "1...16"; Input n (1...16) is in position CC (closed contact).
Galvanic separation:	Test voltage: 1.0kV – 50 Hz – 1 min. according to GL, LR and DNV.
Measurement:	Accuracy: Class 1 according to IEC 688 (-10.. <u>15</u> .. <u>30</u> ..+55°C). Resolution: 0.1% of full scale.
Impedance:	Current input: 50.0 Ω Voltage input: 15 kΩ (DC) Binary input: Max. resistance for ON detection: 250 Ω Resistance for cable supervision: 3.3 kΩ ± 10%. ON/OFF delay: Delay: Max. 20 ms + 1 scan (max. 130 ms).
Screw terminals:	2.5 mm <sup>2</sup> (single/multi-stranded)
Flammability:	All plastic parts are self-extinguishing according to UL94-VO.
Environment:	Temperature: Reference: +15...+30°C Nominal: -10...+55°C Operational: -25...+70°C Storage: -40...+70°C Climate: Class HSE, according to DIN40040.
Protection:	IP20 when mounted in a Delomatic rack.
Approvals:	The Delomatic system is CE marked and type approved by LR, GL, DNV, ABS, BV, RINA and CNK.

Errors and changes excepted.



DEIF A/S, Frisenborgvej 33  
DK-7800 Skive, Denmark

Tel.: +45 9614 9614, Fax: +45 9614 9615  
E-mail: [deif@deif.com](mailto:deif@deif.com), URL: [www.deif.com](http://www.deif.com)

