



# DEIF A/S

# Type certificate

4124030066A

|       |  |
|-------|--|
| Type: | IOM 2xx – Interface Unit<br>Product range: IOM 210, 220, 230 |
|-------|--|

| Technical specifications       |  |
|--------------------------------|--|
| Operating temperature:         | -25...70°C   |
| * Auxiliary supply             | 8,5-36V DC max. 4W consumption.  |
| * Analogue GOV/AVR outputs     | a. 0-20mA<br>b. +/- 25mA<br>c. 0-10VDC<br>d. +/- 12VDC   |
| * Analogue load sharing output | -5...0...+5VDC   |
| Resolution                     | Output resolution is 1024 steps regardless of selected range.  |
| * CAN bus interface            | Max. 250 kbit/s  |
| Galvanic separation:           | Between aux supply and other I/O's: 550VAC, 50Hz, 1 minute.<br>Between analogue output groups and other I/O's: 550VAC, 50Hz, 1 minute.<br>Between CAN communication and other I/O's: 550VAC, 50Hz, 1 minute. |

| Type test specifications |   | Tested according to:   |
|--------------------------|---|--|
| Temperature:             | -25...70°C (operating)<br>-40...70°C(storage)         | IEC 60068-2-1<br>IEC 60068-2-2   |
| Climate:                 | 97% RH  | IEC 60068-2-30, test Db.   |
| Vibration:               | 3...13.2Hz: 2mm <sub>pp</sub><br>13.2...100Hz: 0.7g   | IEC 60068-2-6 & IACS UR E10  |
| Shock:                   | DIN rail mounted.<br>50g, 11msec. half sine           | IEC 60068-2-27, test Ea.   |
| Safety:                  | Installation Cat.III 300V<br>Pollution degree 2       | EN 61010-1 tested at 50Hz, 1 min<br>Each galvanic group tested to other galvanic groups and to protection earth. |
| EMC:                     |   | EN 61000-6-1/2/3/4<br>IEC 60533 power distr. zone<br>IACS UR E10 power distr. zone                               |
| Materials:               | All plastic parts are self-extinguishing to UL94 (V0) |  |
| Protection:              | IP20  | IEC/EN 60529   |

\* Tested on all units according to specifications. Remaining specifications are tested regularly by test sampling



power in control

DEIF A/S  
Frisenborgvej 33  
DK-7800 Skive  
Denmark  
(+45) 9614 9614



DEIF A/S  
Frisenborgvej 33  
DK-7800 Skive  
Denmark  
+45 9614 9614

|  |                  |   |
|--|------------------|---|
| DEIF A/S<br>Frisenborgvej 33<br>DK-7800 Skive<br>Denmark | Date: 2010-04-29 | <br>Martin S. Mallan<br>Type Test Manager |
|--|------------------|---|