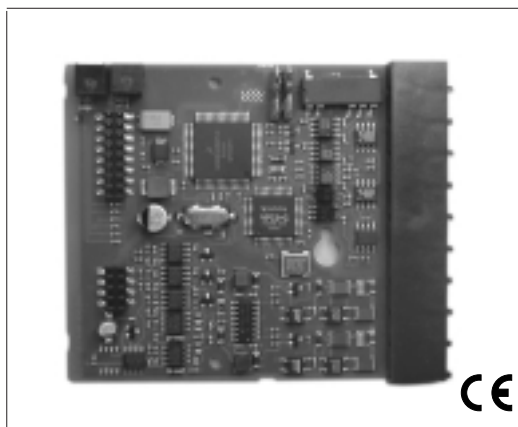




## UPDATING INSTALLATION AND OPERATION MANUAL

### Main characteristics

- Profibus DP Slave
- Network address from rotary switches
- Baud Rate autosynchronization
- Internal installation

code 80294 - 06/06 - ENGLISH

### PROFILE

The 2500-PROFI module can be installed inside 2500 products and expands communication by means of the PROFIBUS DP protocol.

The module is equipped with a port with PROFIBUS DP slave protocol, which is suitable for connection to a PROFIBUS Master.

The node address is assigned by means of the two rotary switches (1...99) on the product that houses the module or by means of a software message.

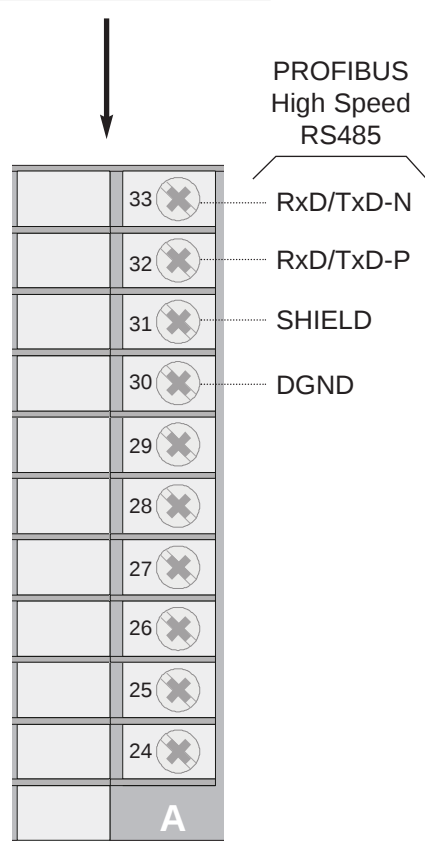
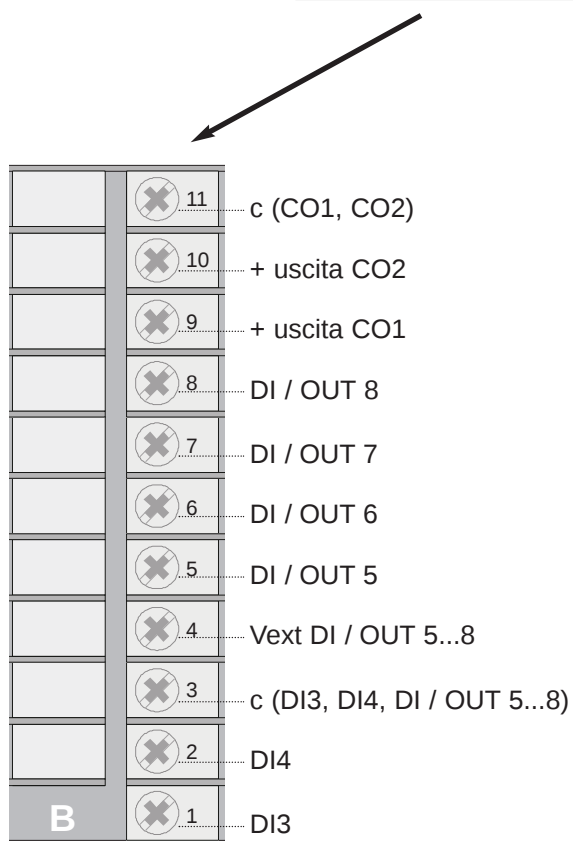
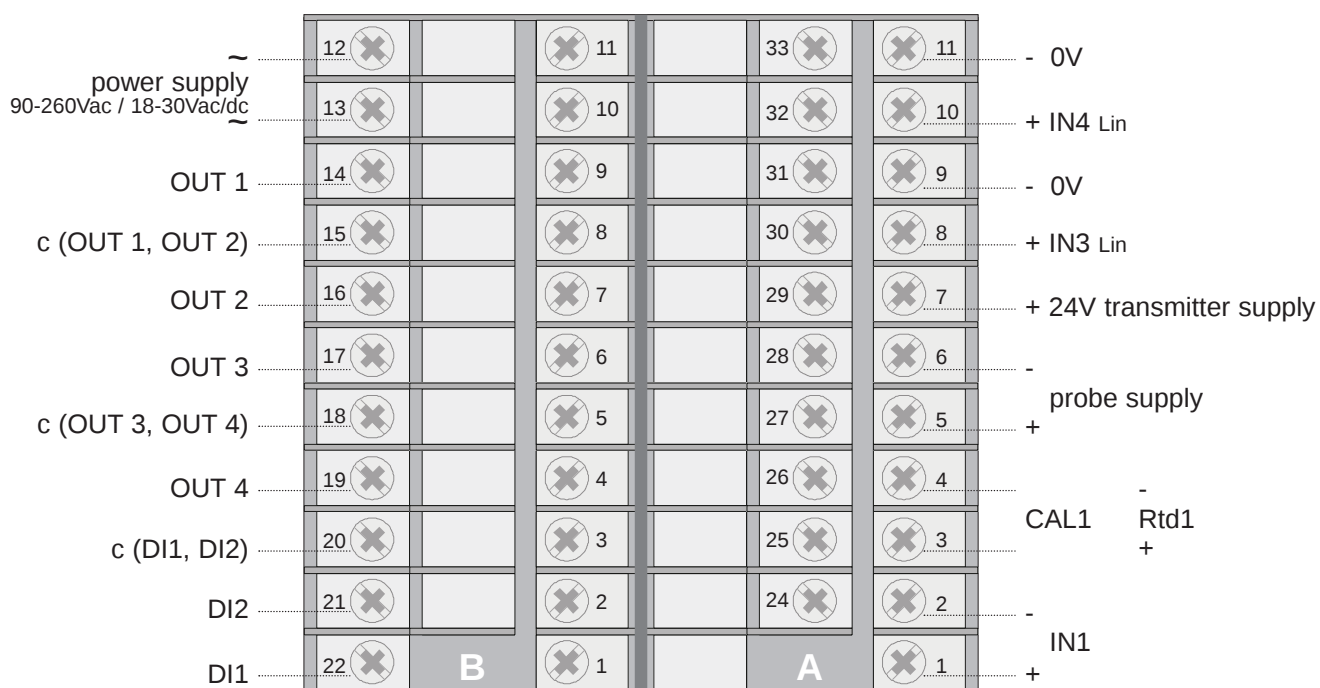
The network Master (typically a PLC) recognizes the slave node by means of this address.

The slave node recognized by the Master consists of the 2500 that houses the module.

The expansion can be installed when the above-mentioned products are ordered or at a later date.

### TECHNICAL DATA

| PROFIBUS port                |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| Protocol                     | Profibus DP V0 (slave)                                                              |
| Function                     | Connects 2500 to a Profibus DP Master device                                        |
| Baud rate                    | Autosincronizzazione (9.6 ... 12000 kBit/s)                                         |
| Connector                    | Faston on 2500 instrument                                                           |
| Address                      | HW: 1...99 set with rotary switches<br>SW: 1...124 by means of specific sw message  |
| I/O dimensions               | 39 bytes                                                                            |
| Msg. supported               | Data_Exchange, Slave_Diag, Set_Prm, Chk_Cfg, Get_Cfg, Global_Control, Set-Slave-Add |
| GSD file                     | 25000A40.gsd                                                                        |
| PROFIBUS diagnostics         |                                                                                     |
| GREEN led                    |                                                                                     |
| Off                          | No communication with PROFIBUS Master                                               |
| Flashing                     | 1000msec = state "AUTOMATIC BAUDRATE RESEARCH"                                      |
| "                            | 250msec = state "WAIT FOR PARAMETRIZATION"                                          |
| "                            | 50msec = state "WAIT FOR CONFIGURATION"                                             |
| On                           | Steady = "DATA EXCHANGE" state                                                      |
| YELLOW led                   |                                                                                     |
| Off                          | "DATA EXCHANGE" state                                                               |
| On                           | Steady = other operative states                                                     |
| RED led                      |                                                                                     |
| Off                          | No communication error                                                              |
| Flashing                     | 1000msec = errore "State not possible"                                              |
| "                            | 250msec = errore "DP_State not possible"                                            |
| "                            | 50msec = errore "WD_State not possible"                                             |
| On                           | Steady = board fault                                                                |
| General characteristics      |                                                                                     |
| Dimensions                   | 80x95x12mm (AxLxP)                                                                  |
| Installation                 | Inside interment                                                                    |
| Weight                       | 35g                                                                                 |
| Power supply                 | +24V, 3VA max. taken directly from instrument                                       |
| Working/storage temperature  | 0...50°C/-20...70°C                                                                 |
| Relative humidity            | 20...85% RH non-condensing                                                          |
| Ambient conditions of use    | Internal use, altitude up to 2000m                                                  |
| Installation                 | Inside module<br>(see "INSTRUCTION AND WARNING")                                    |
| Approvals and certifications | See 2500 instrument                                                                 |



PROFIBUS  
High Speed  
RS485



When making connections, always use wire appropriate to the voltage and current limits.

If the instrument has faston contacts, they must be protected and isolated.

If it has screw contacts, the wires must be attached at least in pairs

