

HE 5825

HIMOD digital output module 8 x 24 V DC

8 x D-OUT 24 V DC high side driver



The digital output module HE 5825 controls up to eight binary signals from the higher-level bus system and transmits these to the process level. The communication with the field bus coupler takes place over an asynchronous serial RS-485 connection. In the event of service, the module can be exchanged quickly and without complications in running operation (Hot Swap). The outputs can be operated in a predefined clock mode, in order to set the output of the actuators. The signal status of the digital outputs is

indicated via status-LEDs. The areas of power supply voltage, field bus and logics are isolated galvanically from each other. Module errors and errors with overload, short-circuit or missing supply are detected and indicated. In the event of error the outputs switch to a previously defined, safe state (Fail Safe).

Current versions of the associated software SmartControl as well as other information can be found at www.hesch.de

| TECHNICAL DATA | |
|------------------------------|---|
| Power supply | Over internal T-bus: 24 V DC / 7.5 V DC |
| Current consumption | Max. 40 mA at 24 V / max. 60 mA at 7.5 V |
| Electrical isolation | 2300 V _{eff} [(supply, logics) / per channel] |
| Digital output: | |
| Principle | High side driver, invertible logics |
| Supply | External supply, 18...32 V DC |
| Load | Static with 2 A per channel. Maximum total current: 12 A |
| Cyclic operation | Can be set with cycle time and switch-on time of 5 ms to 30 s |
| Protective mechanisms | Protected against short-circuit, overvoltage, overtemperature, reverse voltage |
| Fail safe | Transition of the outputs to a safe state in the event of error |
| Diagnostic display: | |
| 8 x yellow LEDs | Status of the outputs |
| 1 x 2-colour LED | Module status |
| Wiring technique | Screw / plug terminals, conductor cross-section 0.2...2.5 mm ² Spring clamp / plug terminals, conductor cross-section 0.2...2.5 mm ² |
| Weight | 150 g |
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| ORDERING DATA | ORDER NUMBER | PU |
|--|--------------|----|
| HE 5825, CE, without freewheeling diode, screw terminal | 58250000 | 1 |
| HE 5825, CE, freewheeling diode, screw terminal | 58251000 | 1 |
| HE 5825, CE, without freewheeling diode, spring clamp terminal | 58253000 | 1 |
| HE 5825, CE, freewheeling diode, spring clamp terminal | 58254000 | 1 |
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| ACCESSORIES | ORDER NUMBER | PU |
|-----------------------|--------------|----|
| Screw plug terminal | 133332 | 10 |
| Spring clamp terminal | 133331 | 10 |
| T-bus connector | 38100150 | 10 |
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| APPROVAL | |
|---------------------------|----|
| Conformity marking | CE |
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