HE 5820

HIMOD digital input module 8 x 24 V DC
8 x D-IN 24 V DC

The digital input module HE 5820 acquires up to eight binary signals from the process level and transmits these to the higher-level bus system. 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 module supplies a power supply per input of 24 V DC with a maximum current of 25 mA for the direct connection of e.g. proximity- and position switches. The signal status of the digital inputs is indicated via status-LEDs. The areas of power supply voltage, field bus and logics are isolated galvanically from each other. The following versions are available: potential-free / non-isolated contacts or 3-wire sensors (NPN or PNP transistors).

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. 225 mA at 24 V / max. 50 mA at 7.5 V
Electrical isolation	1200 V_{eff} [(supply, logics) / per channel]
Digital input:	
Versions	NPN / PNP output stages / potential-free
Input impedance	Typ. 6.8 kΩ
Protective mechanisms	Overvoltage protection / back-up fuse
Pick-up supply	24 V DC (±10 %), max. 25 mA per channel
Signal voltages:	
Version NPN	Logics "0" = 15…30 V Logics "1" = -3…5 V
Version PNP	Logics "0" = -3…5 V Logics "1" = 15…30 V
Version potential-free	Logics "0" = -3…5 V Logics "1" = 15…30 V
Diagnostic display:	
8 x yellow LEDs	Status of the inputs
1 x 2-colour LED	Module status
Wiring technique	Screw / plug terminals, conductor cross-section 0.2…2.5 mm² Spring clamp / plug terminals, conductor cross-section 0.2…2.5 mm²
Weight	150 g

ORDERING DATA	ORDER NUMBER	PU
HE 5820, PNP logics, CE, screw terminal	58200000	1
HE 5820, NPN logics, CE, screw terminal	58201000	1
HE 5820, potential-free, CE, screw terminal	58202000	1
HE 5820, PNP Logics, CE, spring clamp terminal	58203000	1
HE 5820, NPN Logics, CE, spring clamp terminal	58204000	1
HE 5820, potential-free, CE, spring clamp terminal	58205000	1

ACCESSORIES	ORDER NUMBER	PU
Screw plug terminal	133332	10
Spring clamp terminal	133331	10
T-bus connector	38100150	10

APPROVAL	
Conformity marking	CE

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