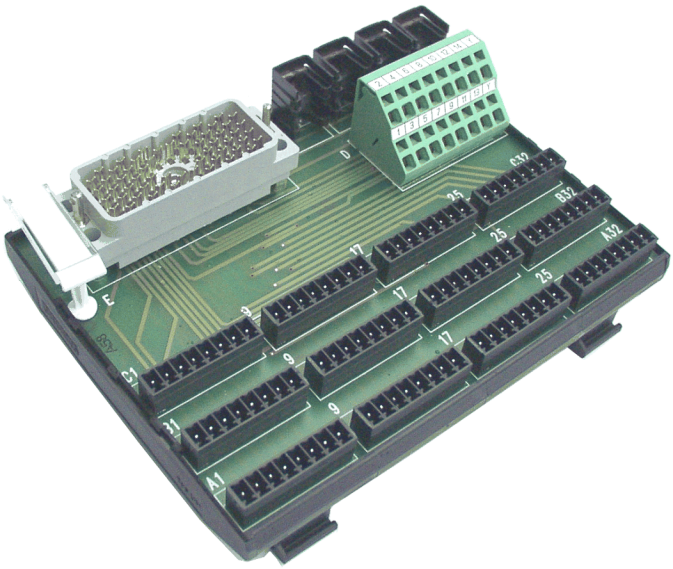
Data Sheet

Operating Instructions

Terminal Module H 7015



HIMA

H 7015 AEA (0240)

H 7015

H 7015 Terminal Module

- plug and play with Vario-plug ELCO 8016 (56-pins)
- for fast and efficient wiring to the Terminal Module H 7016
- compatible with modules from other manufacturers (see applications)

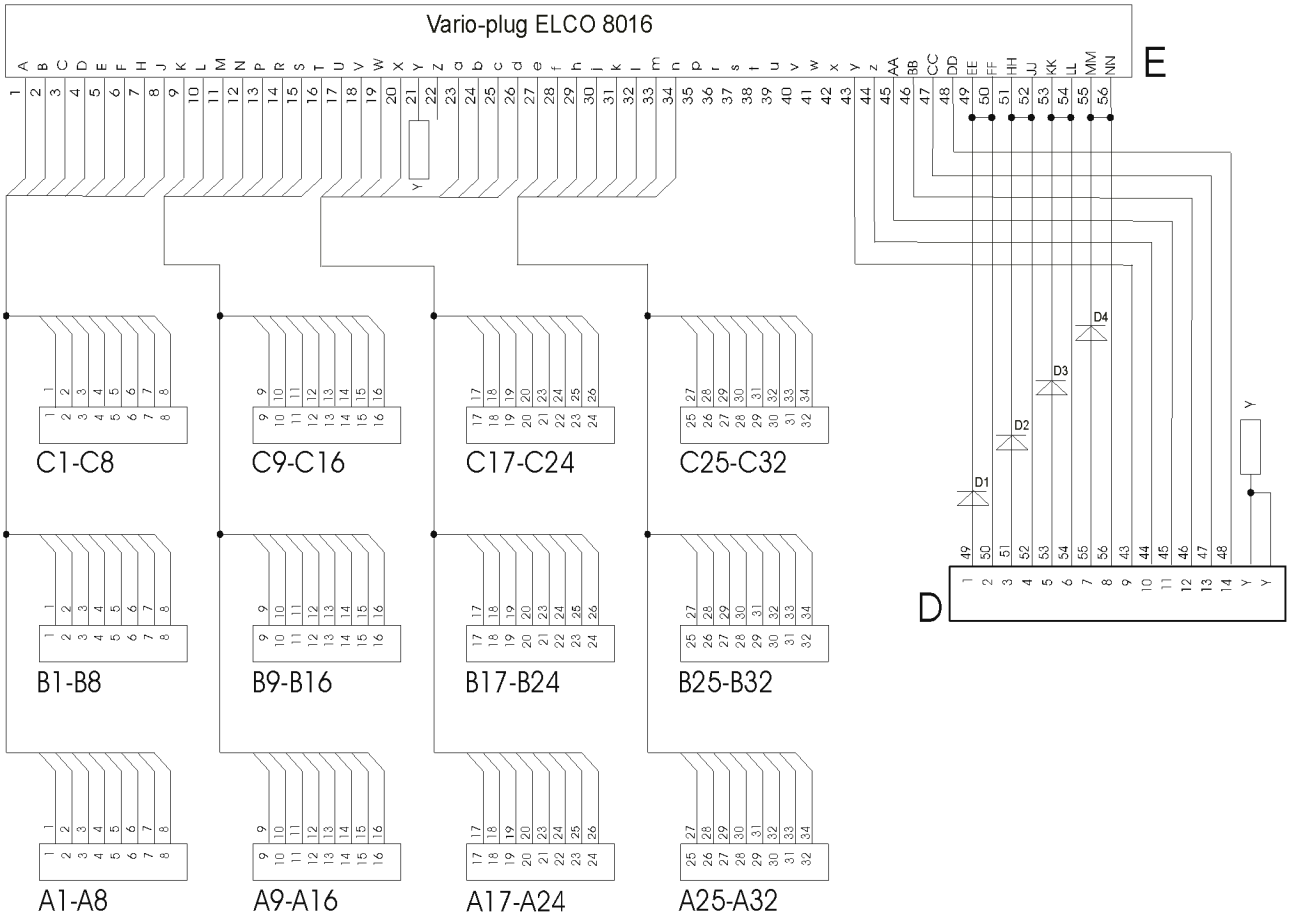


Fig.1: Diagram 7015

Sockets and Terminals on the Terminal Module H 7015

Designator	Type	Contact
E	Vario ELCO 8016	1x 56-pins
A1...C32	Phoenix Headers *)	12x 8-pins
D	Terminal block 4x supply contacts, decoupled with diodes 4x supply contacts, not decoupled 6x floating contacts 2x contacts Y, for shield	1x 16-pins

*) Accessories: Phoenix Combicon Connector FK-MCP 1,5/8-ST-3,81
(HIMA part number 52 0000 002)

Electrical characteristics of supply contacts

Nominal voltage	30 VDC	
Current per channel	2 A	
Max. total current	16 A	
Insulation	30 V 30 V AC/DC	
Cross section	D A,B,C	0,2 ... 2,5 mm² 0,2 ... 1,5 mm²
Current rating of diodes	2 A (2 AT fuses are permitted)	

Mechanical Dimensions of Terminal Module H 7015

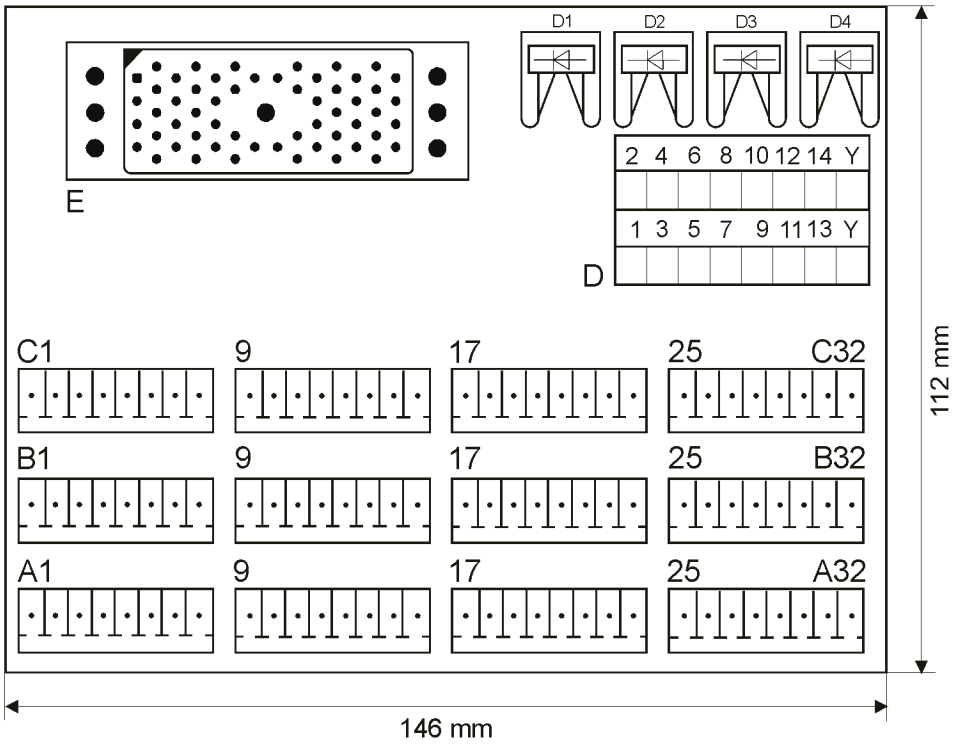


Fig. 2: Mechanical dimensions of H 7015

Depth : 105 mm with Vario-plug ELCO 8016

Mounting : on 35 mm DIN-rail

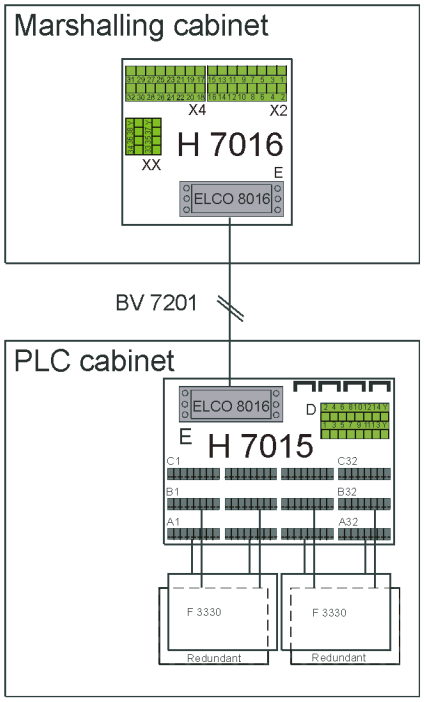
Installation orientation : horizontally or vertically

Installation clearance : not necessary

Applications for Terminal Modul H 7015

1. Application: Wiring of H 7015 with H 7016

For fast and efficient wiring (plug and play) between a PLC cabinet and a marshalling cabinet, the Terminal Modules H 7015, H 7016 and the cable BV 7201 are required.



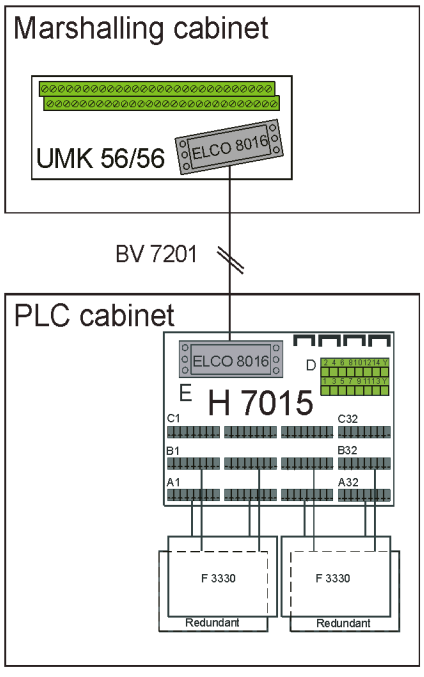
Terminal Module H 7016

E	Vario-plug ELCO 8016
X2, X4	Terminal block 32x I/O-channels to field
XX	Terminal block 4x supply contacts 2x floating contacts 2x contacts Y, for shield

Fig. 3: Wiring of H 7015 with H 7016

2. Application: Wiring of H 7015 with PHOENIX UMK-EC56/56

One-to-one-connection of all signals and power supplies from Terminal Module H 7015 to Phoenix UMK-EC56/56.



Phoenix UMK-EC56/56
Vario-plug ELCO 8016
Terminal block
56x contacts to the field

Note:
Other Phoenix modules can also be used, if they are equipped whith an ELCO 8016 socket.
(e.g. UMK 56/32).

Fig. 4: Wiring of H 7015 with UMK-E56/56

3. Application: Wiring H 7015 with Pepperl+Fuchs Motherboard

For 16 analog inputs:	
Motherboard type	P+F Motherboard MB-AI-HIMA-118233
Motherboard equipped with max.	16x P+F Modul KFD2-STC4-(Ex)1 or 16x P+F Modul KFD2-STC4-(Ex)1.2 with additional output on X2

For 16 digital inputs:	
Safety related single channel	1x P+F Motherboard MB-DI-HIMA-119935, equipped with max. 16x P+F Modul KFD2-SH-(Ex)1.T.OP
Not safety-related dual channels	1x P+F Motherboard MB-DI-HIMA-119941, equipped with max. 16x P+F Modul KFD2-SR2-(Ex)2.2S

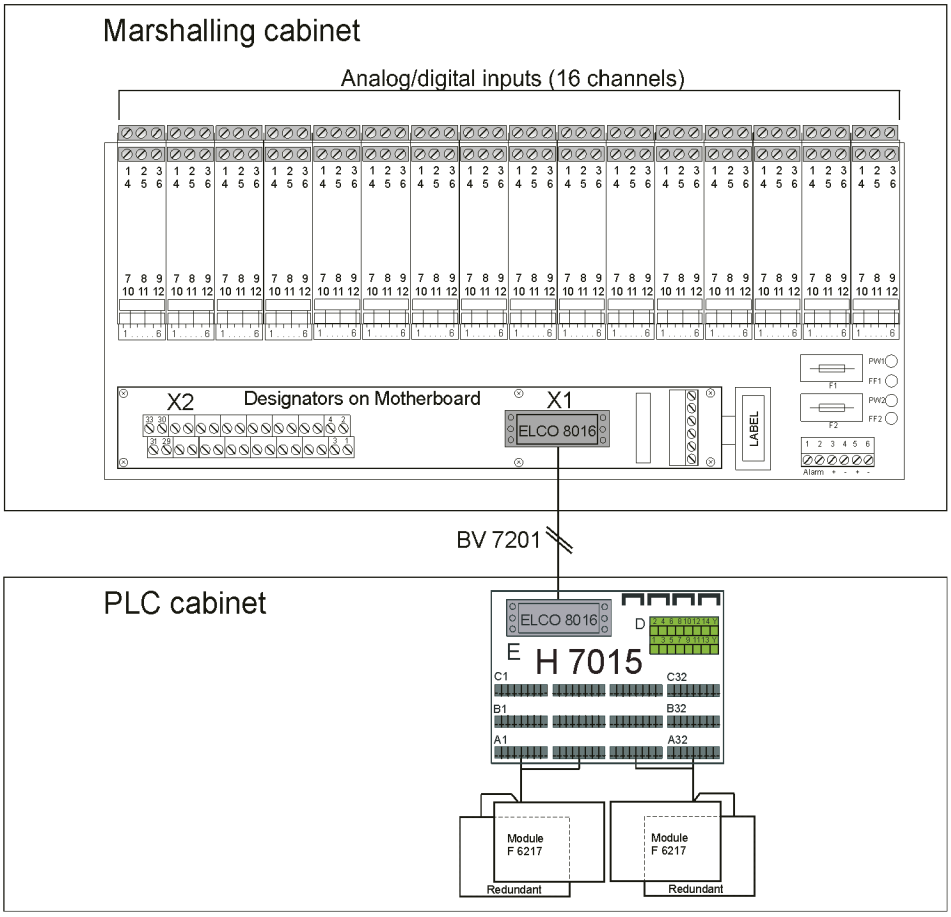


Fig. 5: Wiring of H 7015 with P+F Motherboard

Allocation of the P+F Modules to the Terminal Module H 7015

Motherboard	Motherboard (X1)	H 7015 (A,B,C)
Module 1	1 (A)	A1, B1, C1
	2 (B)	A2, B2, C2
Module 2	3 (C)	A3, B3, C3
	4 (D)	A4, B4, C4
Module 3	5 (E)	A5, B5, C5
	6 (F)	A6, B6, C6
Module 4	7 (H)	A7, B7, C7
	8 (J)	A8, B8, C8
Module 5	9 (K)	A9, B9, C9
	10 (L)	A10, B10, C10
Module 6	11 (M)	A11, B11, C11
	12 (N)	A12, B12, C12
Module 7	13 (P)	A13, B13, C13
	14 (R)	A14, B14, C14
Module 8	15 (S)	A15, B15, C15
	16 (T)	A16, B16, C16
Module 9	17 (U)	A17, B17, C17
	18 (V)	A18, B18, C18
Module 10	19 (W)	A19, B19, C19
	20 (X)	A20, B20, C20
Module 11	23 (a)	A21, B21, C21
	24 (b)	A22, B22, C22
Module 12	25 (c)	A23, B23, C23
	26 (d)	A24, B24, C24
Module 13	27 (e)	A25, B25, C25
	28 (f)	A26, B26, C26
Module 14	29 (h)	A27, B27, C27
	30 (j)	A28, B28, C28
Module 15	31 (k)	A29, B29, C29
	32 (l)	A30, B30, C30
Module 16	33 (m)	A31, B31, C31
	34 (n)	A32, B32, C32

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