HIMA

H 7015A

CE

H 7015A: Terminal module

- plug and play with a 56-pins Vario-plug ELCO 8016 (Code 1-1)
- for fast and efficient wiring to the Terminal Module H 7018
- compatible with modules from other manufacturers (see applications)

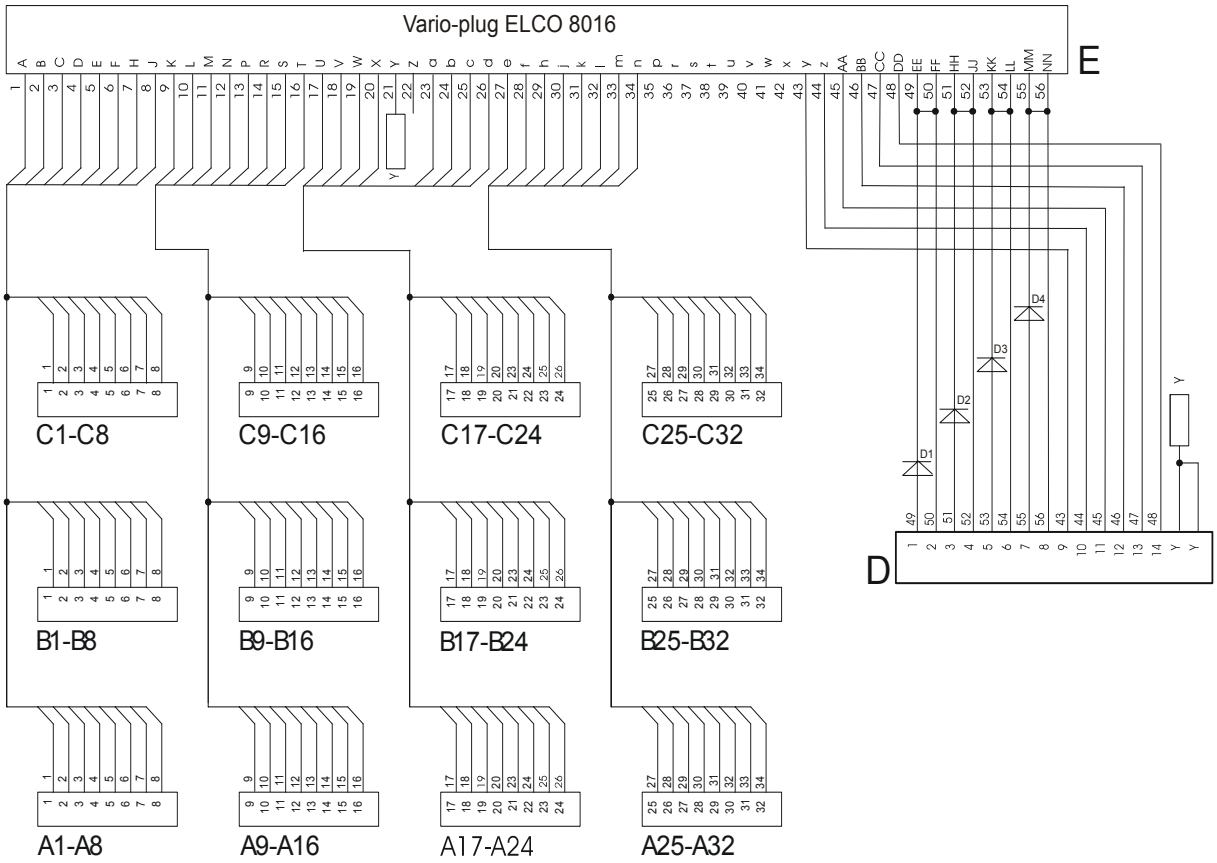


Figure 1: Block diagram

Electrical characteristics of supply contacts

Permissible voltage	up to 48 VDC, 30 VAC	
Current per channel	2 A	
Total current	max. 16 A	
Cross section	A,B,C, D	0.2 ... 1.5 mm^2 (Combicon Connector) 0.2 ... 2.5 mm^2
Diodes	2 A (2 A slow blow fuses are permitted)	

Sockets and terminals on the Terminal Module H 7015A

Designator	Type		Contact	
E	Vario-plug ELCO 8016 (Code 1-1)		1x	56-pin
A1...C32	Phoenix Headers *)		12x	8-pin
D	Wago 739		1x	16-pin
	1, 3, 5, 7	Supply contacts, decoupled (red)		
	2, 4, 6, 8	Supply contacts, not decoupled (black)		
	9 up to 14	Floating contacts (gray)		
	15, 16	Shield Y (white)		

*) Accessories: Phoenix Combicon Connector FK-MCP 1,5/8-ST-3,81

Table 1: Sockets and terminals H 7015A

Mechanical design and dimensions of Terminal Module H 7015A

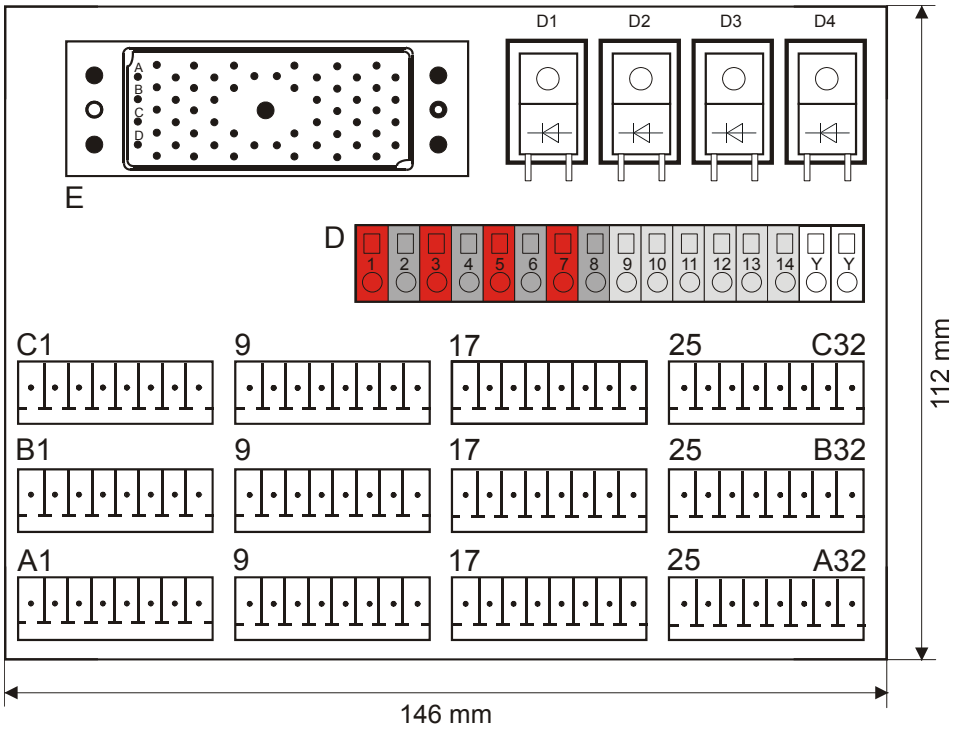


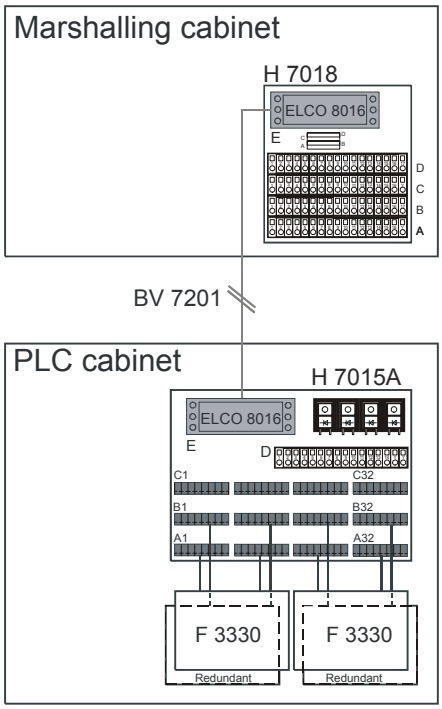
Figure 2: Mechanical design and dimensions of Terminal Module H 7015A

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 Module H 7015A

Wiring of H 7015A with H 7018

For fast and efficient wiring (plug and play) between a PLC cabinet and a marshalling cabinet, the Terminal Modules H 7015A, H 7018 and the cable BV 7201 are required.

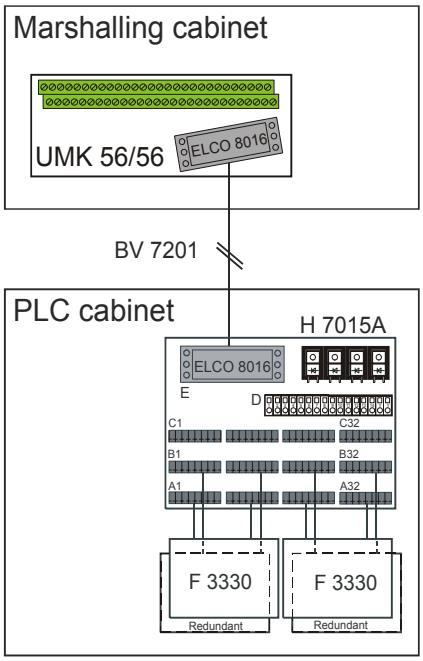


Terminal Module H 7018	
E	Vario ELCO 8016 (Code 1-1)
A, B C, D	Wago 739 32 I/O-channels to field 2 contacts, shield (Y) 2 floating contacts

Figure 3: Wiring of H 7015A with H 7018

Wiring of H 7015A with PHOENIX UMK-EC56/56

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



Phoenix UMK-EC56/56
Vario-plug ELCO 8016 (Code 1-1) Terminal block 56 contacts to the field

Note:
Other Phoenix modules can also be used, if they are equipped with an ELCO 8016 (Code 1-1) socket (e.g. UMK 56/32).

Figure 4: Wiring of H 7015A with UMK-EC56/56

Wiring H 7015A with Pepperl+Fuchs Motherboard

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

Table 2: Analog inputs

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

Table 3: Digital inputs

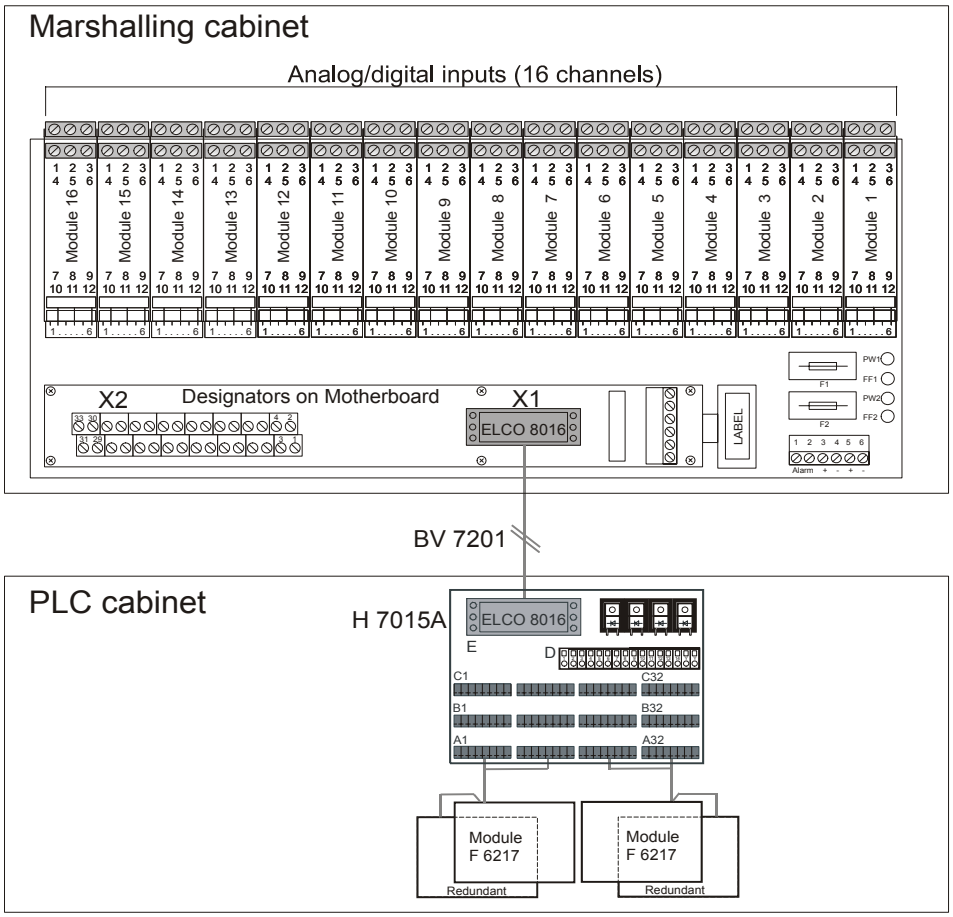


Figure 5: Wiring of H 7015A with P+F Motherboard

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

Motherboard	Motherboard (X1)	H 7015A (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

Table 4: Allocation of the P+F Modules