

Technical data :

Operating voltage	10...30V DC
Input type	12 x input PNP compatible (E1.2, E2.2, E3.2, E4.2, E5.2, E5.4, E6.2, E6.4, E7.2, E7.4, E8.2, E8.4)
Input current	< 7 mA
Non-Load consumption	< 80 mA
Output type	PNP
Operating current	20 mA / Sortie
Voltage drop	< 2 V
Residual current	< 70 µA
Ambient temperature range	0...60 °C

Protection :

Protection degree	IP67
Reverse polarity protection	
Output overload and short-circuit protection	
IEC 61000-4-2 (ESD)	4 kV contact / 8kV air
IEC 61000-4-4 (Burst)	2kV / 5kHz
IEC 61000-4-6 (RF conducted)	3V 150kHz...80MHz

Status indication :

Power (PWR) / Short-circuit (FAIL)	Green LED / Red LED
Inputs (E1.2, E2.2, E3.2, E4.2, E5.2, E6.2, E7.2, E8.2)	Yellow LEDs
Inputs (E5.4, E6.4, E7.4, E8.4)	Yellow LEDs
Signals (E1.4, E2.4, E3.4, E4.4)	Yellow LEDs

Other characteristics

Available current of 1A / Signal (E1.4, E2.4, E3.4, E4.4)
 Total current of 4A maximum
 Inputs compatible with 3-wire PNP and 2-wire IPS with residual voltage <5V and residual current < 1,5mA

Materials :

Housing	Anodized aluminium
Protection screen	Polycarbonate (PC)
Potting	PUR (UL94-V0 self-extinguishing)

M12 female receptacle :

Receptacle material	CuZn, nickel-plated
Contact diameter	5 x Ø1 mm
Contact material	CuZn, pre-plated with nickel and gold-plated

Male DEUTSCH receptacle :

Contact diameter	42 x Ø1 mm + 5 x Ø1,55 mm
Contact material	(Ø1) Gold-plated & (Ø1,55) nickel-plated contacts
Hood material	Aluminium

Accessories (included) :

1 plastic screwdriver for DIP switches settings
 8 caps (OBTM12)

Accessories (not included) :

Extension double-ended cordset H46D47MCLxxx5W1 or H46D47M-CLxxx5W2 according to the use (see page 2/2)

Remark :

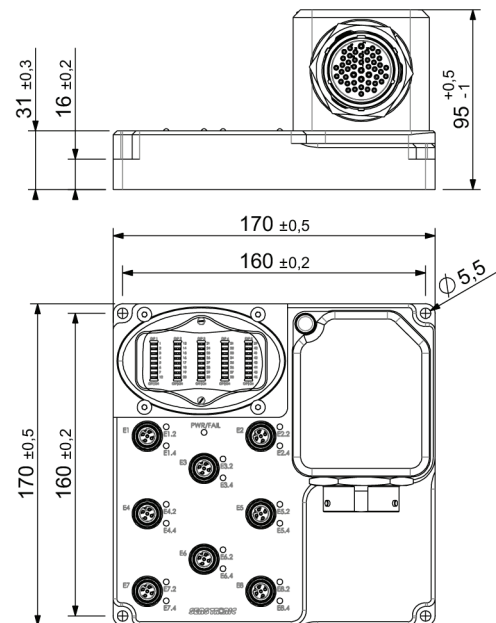
Protection screen screws : 4 x FHC M4 DIN7991(ISO10642)

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Press tools

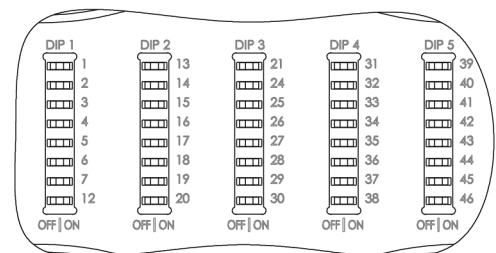


Dimensions :



Truth table & wiring diagram :

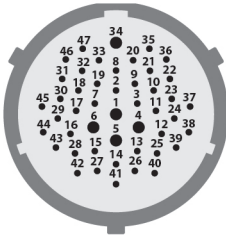
See following page



Truth table & wiring diagram :

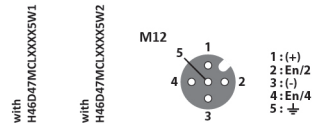
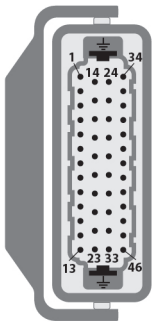
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Deutsch



STA9111651913A + H46D47MCLXXX5W1
or H46D47MCLXXX5W2

Harting



Output Harting	Output Deutsch	Signal	Associated DIP switch number	Purpose
22	22	6	-	Power supply
23	23	4	-	Power supply
⊥	⊥	34	-	Protective Earth (PE)
8	8	35	-	"Wire to wire" line E1.4 (can be used as a Digital Input or as a Digital Output)
9	9	47	-	"Wire to wire" line E2.4 (can be used as a Digital Input or as a Digital Output)
10	10	1	-	"Wire to wire" line E3.4 (can be used as a Digital Input or as a Digital Output)
11	11	5	-	"Wire to wire" line E4.4 (can be used as a Digital Input or as a Digital Output)
1	7	30	1	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
2	18	2	2	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
3	19	3	3	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
4	20	31	4	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
5	21	8	5	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
6	1	9	6	Digital Output showing Input E1.2 status or forced to "1" if the associated DIP switch is "ON"
7	2	7	7	Digital Output showing Input E2.2 status or forced to "1" if the associated DIP switch is "ON"
12	3	28	12	Digital Output showing Input E3.2 status or forced to "1" if the associated DIP switch is "ON"
13	4	13	13	Digital Output showing Input E4.2 status or forced to "1" if the associated DIP switch is "ON"
14	5	14	14	Digital Output showing Input E5.2 status or forced to "1" if the associated DIP switch is "ON"
15	6	15	15	Digital Output showing Input E6.2 status or forced to "1" if the associated DIP switch is "ON"
16	16	16	16	Digital Output showing Input E7.2 status or forced to "1" if the associated DIP switch is "ON"
17	17	29	17	Digital Output showing Input E8.2 status or forced to "1" if the associated DIP switch is "ON"
18	12	17	18	Digital Output showing Input E5.4 status or forced to "1" if the associated DIP switch is "ON"
19	13	19	19	Digital Output showing Input E6.4 status or forced to "1" if the associated DIP switch is "ON"
20	14	32	20	Digital Output showing Input E7.4 status or forced to "1" if the associated DIP switch is "ON"
21	15	33	21	Digital Output showing Input E8.4 status or forced to "1" if the associated DIP switch is "ON"
24	24	10	24	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
25	25	11	25	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
26	26	24	26	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
27	27	12	27	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
28	28	25	28	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
29	29	26	29	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
30	30	27	30	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
31	31	20	31	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
32	32	21	32	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
33	33	18	33	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
34	34	36	34	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
35	35	22	35	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
36	36	23	36	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
37	37	37	37	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
38	38	38	38	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
39	39	39	39	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
40	40	40	40	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
41	41	41	41	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
42	42	42	42	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
43	43	43	43	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
44	44	44	44	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
45	45	45	45	Digital Output, delivering a level "1" if the associated DIP switch is "ON"
46	46	46	46	Digital Output, delivering a level "1" if the associated DIP switch is "ON"