

ABB Automation Products GmbH
Wallstadter Str. 59
68526 Ladenburg, Germany
Phone: +49 62 21 701 1444
Fax: +49 62 21 701 1382
E-Mail: plc.support@de.abb.com
www.abb.com/PLC



3ADR031183S0015



en  **Warning!**
Installation and maintenance have to be performed according to the technical rules, codes and relevant standards, e.g. EN 60204-1, by skilled electricians only.

de  **Warnung!**
Die Installation und Wartungsarbeiten dieses Gerätes müssen durch eine Elektrofachkraft durchgeführt werden, nach den anerkannten technischen Regeln, Vorschriften und relevanten Normen z. B. EN 60204-1.

en Please refer to the “Regulations Concerning the Setting up of Installations” for safety instructions.
see [link](#)

de Die Sicherheitshinweise entnehmen Sie bitte den „Vorschriften für das Errichten von Anlagen“.
siehe [Link](#)

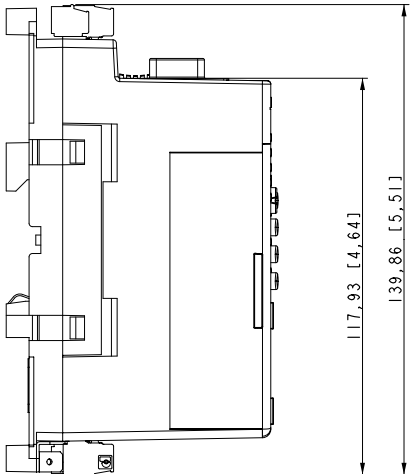
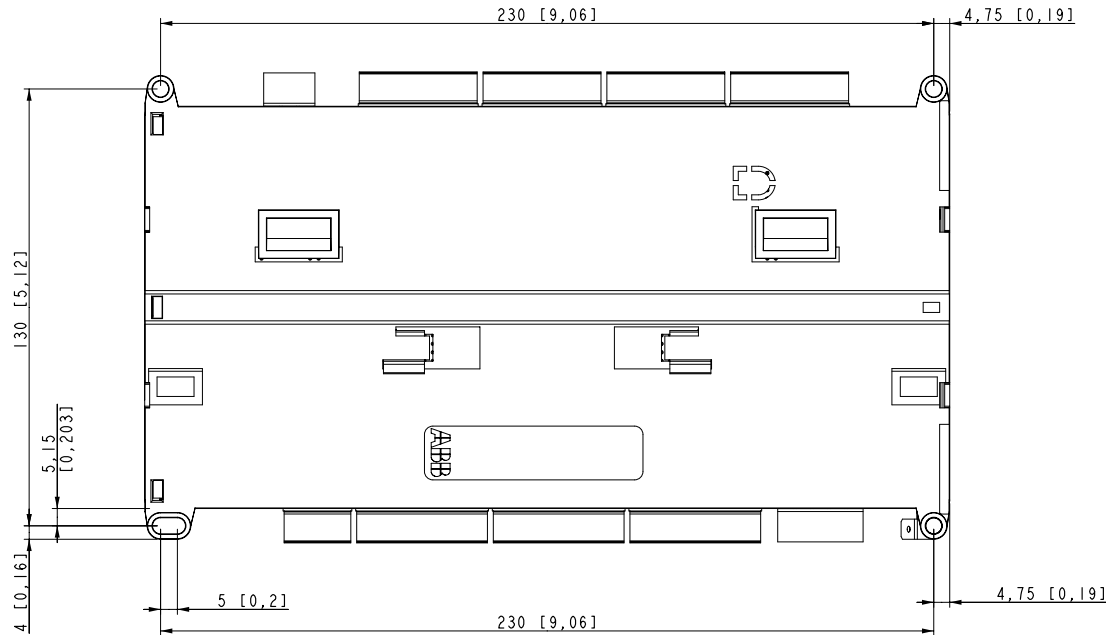
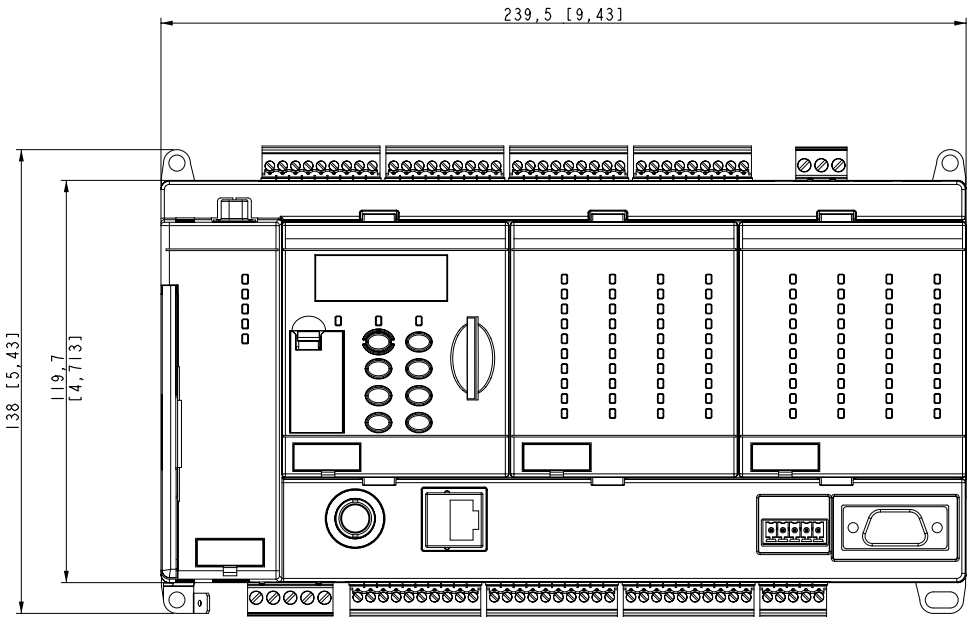
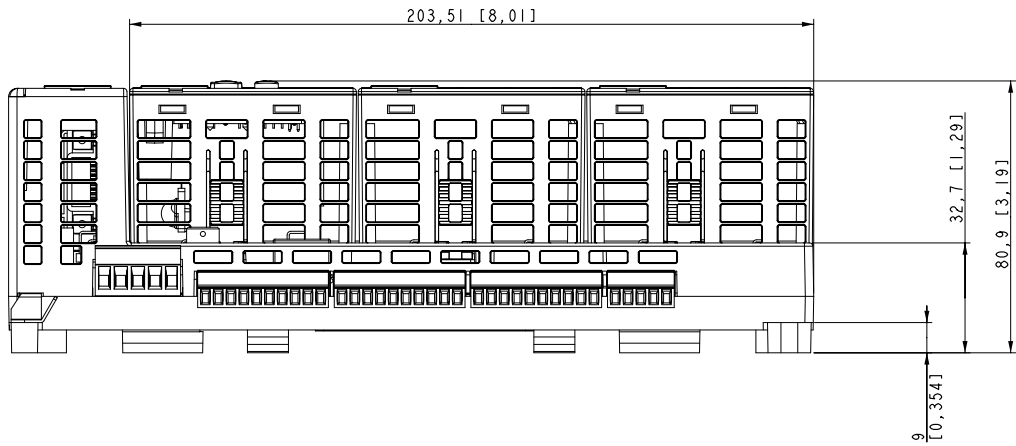


http://search-ext.abb.com/library/Download.aspx?DocumentID=3ADR025003*&Action=Launch

en Dimensions

de Abmessungen

en Unit: mm [in.]
de Einheit: mm [in.]

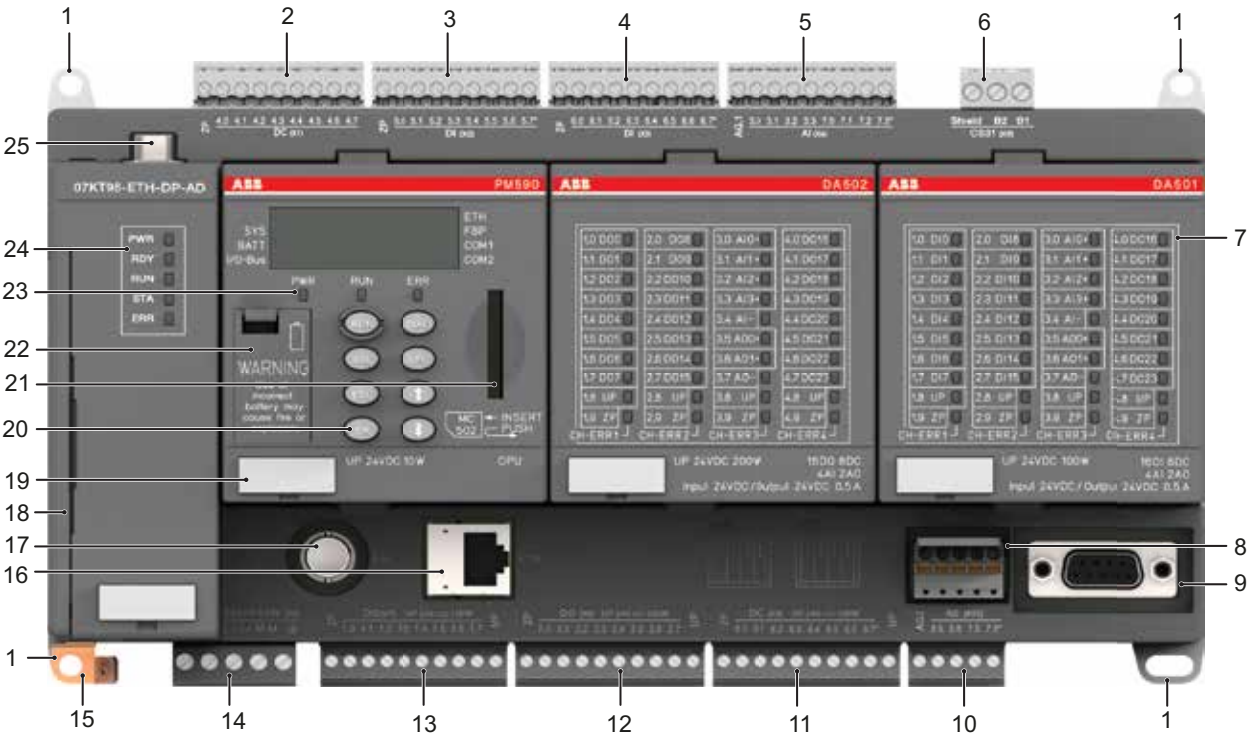


en Recycling

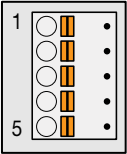
de Recycling



en Connection de Anschluss



8 Diagnosis

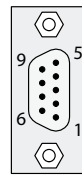


- 1 not connected
- 2 TX
- 3 M
- 4 RX
- 5 FE

17 ARCNET

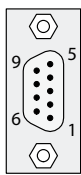


9 COM2



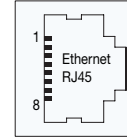
- 1 FE
- 2 TX
- 3 RX
- 4 RTS
- 5 CTS
- 6 not connected
- 7 Signal Ground
- 8 Signal Ground
- 9 +5V

25 PROFIBUS



- 1 Shield
- 2 NC
- 3 Rx/Dx/D- P RS-485
- 4 CNTR- P RS-232
- 5 DGND
- 6 +5V
- 7 NC
- 8 Rx/D/TxD- N RS-485
- 9 CNTR- N RS-485

16 Ethernet



- 1 Tx/D+
- 2 Tx/D-
- 3 Rx/D+
- 4 NC
- 5 NC
- 6 Rx/D-
- 7 NC
- 8 NC

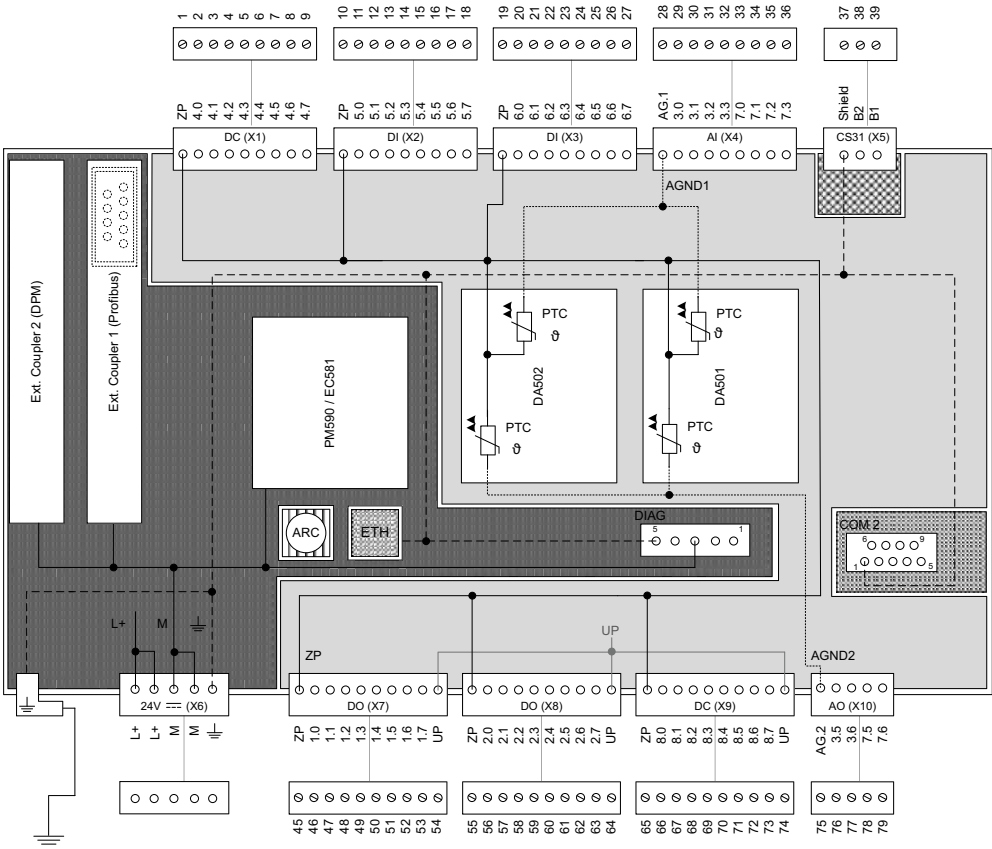
1	<i>en</i>	Holes for screw mounting (screw diameter 4 mm, fastening torque 1.2 Nm)
	<i>de</i>	Bohrung für Montage mit Schrauben (Schrauben durchmesser 4 mm, Auszugsdrehmoment 1,2 Nm)
2	<i>en</i>	Digital inputs/outputs for DA502
	<i>de</i>	Digitale Ein-/Ausgänge für DA502
3	<i>en</i>	Digital inputs for DA501
	<i>de</i>	Digitale Eingänge für DA501
4	<i>en</i>	Digital inputs for DA501
	<i>de</i>	Digitale Eingänge für DA501
5	<i>en</i>	Analog inputs for DA501/DA502
	<i>de</i>	Analoge Eingänge für DA501/DA502
6	<i>en</i>	CS31 Bus connection
	<i>de</i>	Verbindung für CS31 Bus
7	<i>en</i>	Status LEDs for DA501/DA502
	<i>de</i>	Status-LEDs für DA501/DA502

8	<i>en</i>	Diagnosis connector
	<i>de</i>	Diagnosestecker
9	<i>en</i>	COM2: Serial interface (Thread UNC 4-40)
	<i>de</i>	COM2: Serielle Schnittstelle (Gewinde UNC 4-40)
10	<i>en</i>	Analog outputs for DA501/DA502
	<i>de</i>	Analoge Ausgänge für DA501/DA502
11	<i>en</i>	Digital inputs/outputs for DA501
	<i>de</i>	Digitale Ein-/Ausgänge für DA501
12	<i>en</i>	Digital outputs for DA502
	<i>de</i>	Digitale Ausgänge für DA502
13	<i>en</i>	Digital outputs for DA502
	<i>de</i>	Digitale Ausgänge für DA502
14	<i>en</i>	Supply for 24 V DC
	<i>de</i>	Einspeisung 24 V DC

15	<i>en</i>	Ground terminal
	<i>de</i>	Erdanschluss
16	<i>en</i>	Ethernet: Network interface
	<i>de</i>	Ethernet: Netzwerk-Schnittstelle
17	<i>en</i>	Interface for ARCNET
	<i>de</i>	Schnittstelle für ARCNET
18	<i>en</i>	External networking interface
	<i>de</i>	Externe Vernetzungsschnittstelle
19	<i>en</i>	TA525: Label
	<i>de</i>	TA525: Beschriftungsschild
20	<i>en</i>	8 Pushbutton
	<i>de</i>	8 Bedientasten
21	<i>en</i>	SD memory card
	<i>de</i>	SD Speicherkarte
22	<i>en</i>	Lithium battery compartment
	<i>de</i>	Batteriefach für Lithium-Batterie

23	en	3 System LEDs
	de	3 System-LEDs
24	en	5 Status LEDs (for PROFIBUS only)
	de	5 Status-LEDs (nur für PROFIBUS)
25	en	PROFIBUS connection (optional)
	de	Verbindung für PROFIBUS (optional)

en Plug Connection de Steckerbelegung



X1 (DC)

Terminal / Klemme	Pin	Signal
X1 / ZP	1	ZP
X1 / 4.0	2	DA502 / DC16
X1 / 4.1	3	DA502 / DC17
X1 / 4.2	4	DA502 / DC18
X1 / 4.3	5	DA502 / DC19
X1 / 4.4	6	DA502 / DC20
X1 / 4.5	7	DA502 / DC21
X1 / 4.6	8	DA502 / DC22
X1 / 4.7	9	DA502 / DC23

X2 (DI)

Terminal / Klemme	Pin	Signal
X2 / ZP	10	ZP
X2 / 5.0	11	DA501 / DI0
X2 / 5.1	12	DA501 / DI1
X2 / 5.2	13	DA501 / DI2
X2 / 5.3	14	DA501 / DI3
X2 / 5.4	15	DA501 / DI4
X2 / 5.5	16	DA501 / DI5
X2 / 5.6	17	DA501 / DI6
X2 / 5.7	18	DA501 / DI7

X3 (DI)

Terminal / Klemme	Pin	Signal
X3 / ZP	19	ZP
X3 / 6.0	20	DA501 / DI8
X3 / 6.1	21	DA501 / DI9
X3 / 6.2	22	DA501 / DI10
X3 / 6.3	23	DA501 / DI11
X3 / 6.4	24	DA501 / DI12
X3 / 6.5	25	DA501 / DI13
X3 / 6.6	26	DA501 / DI14
X3 / 6.7	27	DA501 / DI15

X4 (AI)

Terminal / Klemme	Pin	Signal
X4 / AG.1	28	AGND1
X4 / 3.0	29	DA502 / AI0+
X4 / 3.1	30	DA502 / AI1+
X4 / 3.2	31	DA502 / AI2+
X4 / 3.3	32	DA502 / AI3+
X4 / 7.0	33	DA501 / AI0+
X4 / 7.1	34	DA501 / AI1+
X4 / 7.2	35	DA501 / AI2+
X4 / 7.3	36	DA501 / AI3+

X5 (CS31)

Terminal / Klemme	Pin	Signal
X5 / Shield	37	Shield, FE
X5 / B2	38	BUS2
X5 / B1	39	BUS1

X6

Terminal / Klemme	Pin	Signal
X6 / L+	40	L+
X6 / L+	41	L+
X6 / M	42	M
X6 / M	43	M
X6 / $\perp$	44	$\perp$

X7 (DO)

Terminal / Klemme	Pin	Signal
X7 / ZP	45	ZP
X7 / 1.0	46	DA502 / DO0
X7 / 1.1	47	DA502 / DO1
X7 / 1.2	48	DA502 / DO2
X7 / 1.3	49	DA502 / DO3
X7 / 1.4	50	DA501 / DO4
X7 / 1.5	51	DA501 / DO5
X7 / 1.6	52	DA501 / DO6
X7 / 1.7	53	DA501 / DO7
X7 / UP	54	UP

X8 (DO)

Terminal / Klemme	Pin	Signal
X8 / ZP	55	ZP
X8 / 2.0	56	DA502 / DO8
X8 / 2.1	57	DA502 / DO9
X8 / 2.2	58	DA502 / DO10
X8 / 2.3	59	DA502 / DO11
X8 / 2.4	60	DA502 / DO12
X8 / 2.5	61	DA502 / DO13
X8 / 2.6	62	DA502 / DO14
X8 / 2.7	63	DA502 / DO15
X8 / UP	64	UP

X9 (DO)

Terminal / Klemme	Pin	Signal
X9 / ZP	65	ZP
X9 / 8.0	66	DA501 / DC16
X9 / 8.1	67	DA501 / DC17
X9 / 8.2	68	DA501 / DC18
X9 / 8.3	69	DA501 / DC19
X9 / 8.4	70	DA501 / DC20
X9 / 8.5	71	DA501 / DC21
X9 / 8.6	72	DA501 / DC22
X9 / 8.7	73	DA501 / DC23
X9 / UP	74	UP

X10 (AO)

Terminal / Klemme	Pin	Signal
X10 / AG.2	75	AGND2
X10 / 3.5	76	DA502 / AO0+
X10 / 3.6	77	DA502 / AO1+
X10 / 7.5	78	DA501 / AO0+
X10 / 7.6	79	DA501 / AO1+

en DIAG: No potential separation (M)
de DIAG: Keine Potentialtrennung (M)

en COM2: Potential separated
de COM2: Potentialgetrennt

en CS31: Potential separated
de CS31: Potentialgetrennt

en Ethernet: Potential separated
de Ethernet: Potentialgetrennt

en ARCNET: Potential separated
de ARCNET: Potentialgetrennt

en DA501/DA502: Potential separated
de DA501/DA502: Potentialgetrennt