

**PB-DP SUB-D ZF 180 TERM****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

**Similaire à l'illustration**

Des longueurs de câble particulières sont de plus en plus souvent nécessaires. Pour répondre à ce nouveau besoin, Weidmüller propose une large gamme de connecteurs enfichables pour la libre confection.

**Informations générales de commande**

|            |                            |
|------------|----------------------------|
| Type       | PB-DP SUB-D ZF 180 TERM    |
| Référence  | <a href="#">2433510000</a> |
| Version    |                            |
| GTIN (EAN) | 4050118444100              |
| Cdt.       | 1 pièce(s)                 |

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**Caractéristiques techniques****Dimensions et poids**

|           |      |
|-----------|------|
| Poids net | 25 g |
|-----------|------|

**Températures**

|          |                                       |
|----------|---------------------------------------|
| Humidité | Max. 75% à +25°C, pas de condensation |
|----------|---------------------------------------|

**Conformité environnementale du produit**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Caractéristiques techniques pour connecteur SUB-D**

|                                    |                                 |                             |                                       |
|------------------------------------|---------------------------------|-----------------------------|---------------------------------------|
| Angle de sortie                    | 180°                            | BUS, interface câble        | Raccordement à ressort                |
| Connecteur enfichable, et brochage | Selon la spécification PROFIBUS | Cycles d'enfichage          | ≥ 200                                 |
| Degré de protection                | IP30                            | Humidité                    | Max. 75% à +25°C, pas de condensation |
| Interface BUS                      | D-Sub 9 pôles, Mâle             | Matériau de base du boîtier | ZnAl                                  |
| Plage de températures du coffret   | -20...+70 ° C                   | Résistance de terminaison   | Oui                                   |
| Verrouillage                       | UNC4-40                         | Vitesse de transmission     | 12 MBit/s                             |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 6.0   | EC001132    | eClass 6.2 | 27-26-07-07 |
| eClass 9.0 | 27-44-03-02 | eClass 9.1 | 27-44-03-90 |

**Agréments**

|      |          |
|------|----------|
| ROHS | Conforme |
|------|----------|

**Téléchargements**

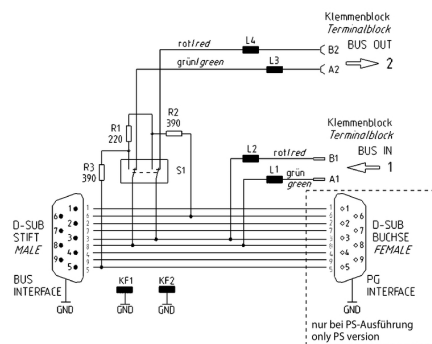
|                    |                                   |
|--------------------|-----------------------------------|
| Brochure/Catalogue | <a href="#">FL FIELDWIRING EN</a> |
|--------------------|-----------------------------------|

## PB-DP SUB-D ZF 180 TERM

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## Dessins

### Schéma

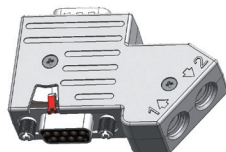


## Montageanleitung: PROFIBUS Bus-Stecker mit interner Kabelklemme



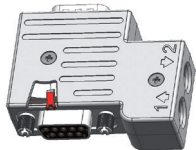
| Eingang 1 und Ausgang 2 |      |
|-------------------------|------|
| L                       | (30) |
| L1                      | 24   |
| L2                      | 7    |
| L3                      | 6    |

| Art.-Nr.   | Beschreibung            | Abmessungen Busstecker |
|------------|-------------------------|------------------------|
| 2433510000 | PB-DP SUB-D ZF 180 TERM | 62 x 31,6 x 14,8 mm    |



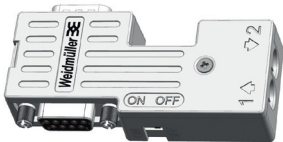
| Eingang 1 |      | Ausgang 2 |      |
|-----------|------|-----------|------|
| L         | (30) | L         | (35) |
| L1        | 24   | L1        | 29   |
| L2        | 7    | L2        | 7    |
| L3        | 6    | L3        | 6    |

| Art.-Nr.   | Beschreibung              | Abmessungen Busstecker |
|------------|---------------------------|------------------------|
| 1173220000 | PB-DP SUB-D ZF 35 TERM    | 64,6 x 42 x 16,8 mm    |
| 1173240000 | PB-DP SUB-D ZF 35 TERM PS | 64,6 x 42 x 16,8 mm    |



| Eingang 1 |      | Ausgang 2 |      |
|-----------|------|-----------|------|
| L         | (35) | L         | (30) |
| L1        | 29   | L1        | 24   |
| L2        | 7    | L2        | 7    |
| L3        | 6    | L3        | 6    |

| Art.-Nr.   | Beschreibung        | Abmessungen Busstecker |
|------------|---------------------|------------------------|
| 1161870000 | PB-DP SUB-D ZF TERM | 53,6 x 42 x 16,8 mm    |
| 1161880000 | PB-DP SUB-D ZF T PS | 53,6 x 42 x 16,8 mm    |



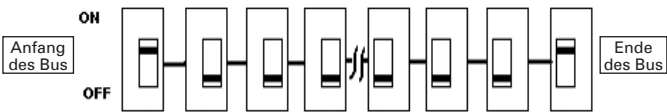
| Eingang 1 und Ausgang 2 |      |
|-------------------------|------|
| L                       | (30) |
| L1                      | 24   |
| L2                      | 7    |
| L3                      | 6    |

| Art.-Nr.   | Beschreibung           | Abmessungen Busstecker |
|------------|------------------------|------------------------|
| 2004310000 | PB-DP SUB-D ZF TERM S7 | 77,7 x 34,7 x 16,8 mm  |
| 2004320000 | PB-DP SUB-D ZF T PS S7 | 77,7 x 34,7 x 16,8 mm  |

### Schaltbild

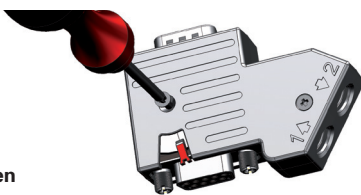


### Bus-Terminierung



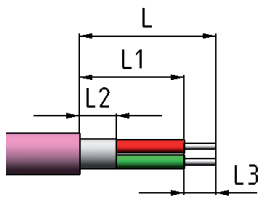
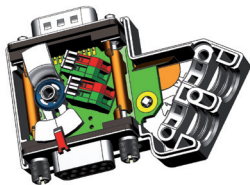
Diese Produkte sind für den Einsatz an Betriebsarten gemäß (National Electric Code) NFPA 79, bis Verschmutzungsgrad 2 zugelassen.

(Dargestellt 1173240000)

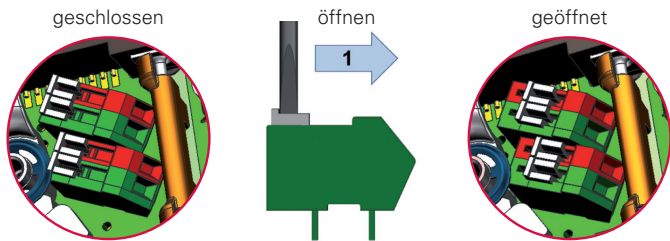


**Die Befestigungsschrauben lösen**  
mit Pozidriv-Schraubendreher PZ1

**Busstecker in geöffnetem Zustand**  
ohne Gehäuse-Deckel und ohne Schirmbügel.

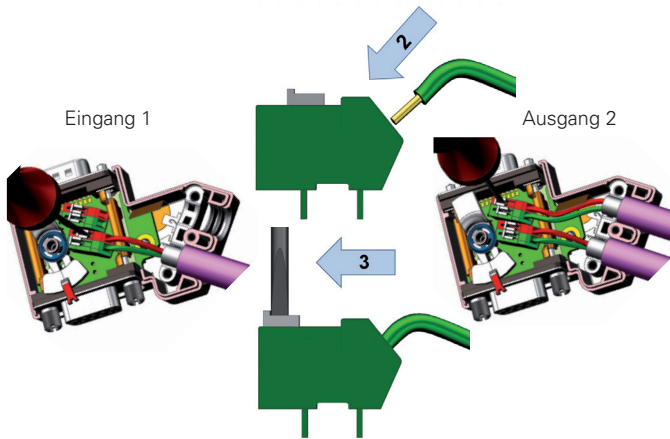


**Profibus-Kabelmantel gestuft abisolieren**  
(siehe Artikel)  
in einem Step mit mehrstufigen Abisolierwerkzeug (empfohlen Weidmüller CST vario) oder in mehreren Steps mit Standard-Abisolierwerkzeuge. Einzeladern abisolieren mit Abisolierzange (empfohlen Weidmüller STRIPAX).



### Käfigzugfeder-Klemmen öffnen

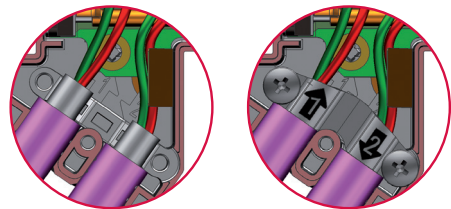
Schraubendreher mit Klinge 2,5 x 0,4 in weiße Betätigungsschieber einführen und nach vorne schieben (Pfeil 1) in Richtung Kabelausgang.



**Abisolierte Einzeladern für ankommendes Profibus-Kabel**  
jeweils in die Klemmen A1 und B1 einführen (Pfeil 2) und Käfigzugfederklemmen schließen (Pfeil 3).

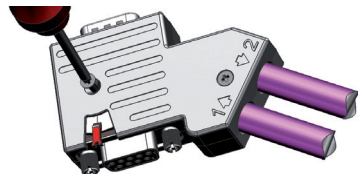
**Abisolierte Einzeladern für abgehendes Profibus-Kabel**  
jeweils in die Klemmen A2 und B2 einführen (Pfeil 2) und Käfigzugfederklemmen schließen (Pfeil 3).

**Achtung! bei SPECIAL und COMPACT**  
Der Schalter für den Abschlusswiderstand darf nur betätigt werden solange der D-Sub Stecker nicht schraubverriegelt ist.



### Schirmbügel anziehen

Darauf achten, dass Kabelschirm flächig auf vorderer Kabelschirmauflage aufliegt (siehe linkes Bild). Die Befestigungsschrauben anziehen mit Pozidriv-Schraubendreher PZ1.  
Anzugsmoment: max. 0,3 Nm.



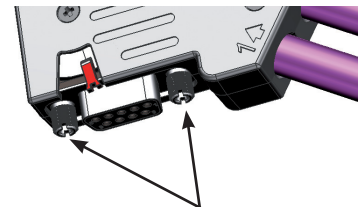
### Gehäusedeckel verriegeln

Die Befestigungsschrauben anziehen mit Pozidriv-Schraubendreher PZ1  
Anzugsmoment: max. 0,3 Nm.



### Bus-Terminierung (Abschlusswiderstände) Aus/Ein

Den Schalterhebel beim Busabschluss für aktive Terminierung in die Position „ON“ stellen. Für den eingangsseitigen Busabschluss beim 1. Teilnehmer, das abgehende Bus-Kabel auf der Eingangsseite (1) anschließen und den Schalterhebel in Position „ON“ stellen.



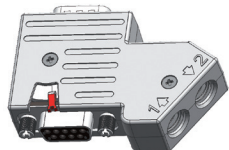
**Befestigung am D-Sub der Profibus-Schnittstelle**  
Anzugsmoment der Rändel-Verriegelungsschraube: max. 0,3 Nm.

## Mounting Instruction: PROFIBUS Bus Connectors with internal cable clamp



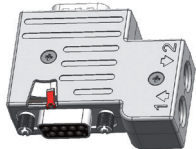
| Input 1 and Outout 2 |      |
|----------------------|------|
| L                    | (30) |
| L1                   | 24   |
| L2                   | 7    |
| L3                   | 6    |

| Part No.   | Description             | Dimensions Bus Connector |
|------------|-------------------------|--------------------------|
| 2433510000 | PB-DP SUB-D ZF 180 TERM | 62 x 31,6 x 14,8 mm      |



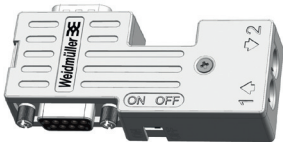
| Input 1 |      | Outout 2 |      |
|---------|------|----------|------|
| L       | (30) | L        | (35) |
| L1      | 24   | L1       | 29   |
| L2      | 7    | L2       | 7    |
| L3      | 6    | L3       | 6    |

| Part No.   | Description               | Dimensions Bus Connector |
|------------|---------------------------|--------------------------|
| 1173220000 | PB-DP SUB-D ZF 35 TERM    | 64,6 x 42 x 16,8 mm      |
| 1173240000 | PB-DP SUB-D ZF 35 TERM PS | 64,6 x 42 x 16,8 mm      |



| Input 1 |      | Outout 2 |      |
|---------|------|----------|------|
| L       | (35) | L        | (30) |
| L1      | 29   | L1       | 24   |
| L2      | 7    | L2       | 7    |
| L3      | 6    | L3       | 6    |

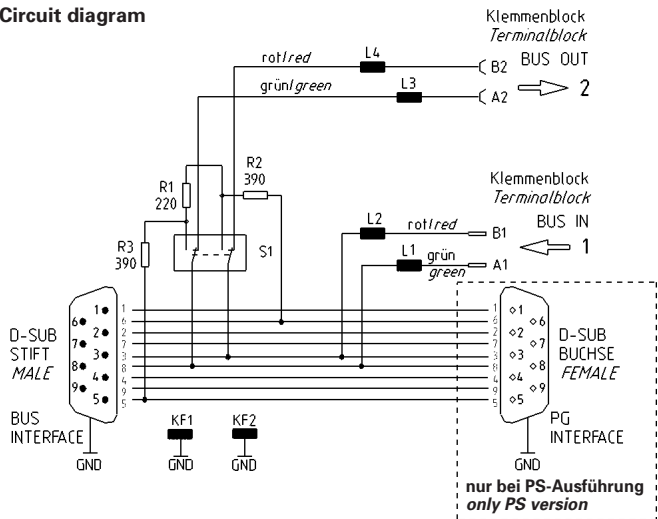
| Part No.   | Description         | Dimensions Bus Connector |
|------------|---------------------|--------------------------|
| 1161870000 | PB-DP SUB-D ZF TERM | 53,6 x 42 x 16,8 mm      |
| 1161880000 | PB-DP SUB-D ZF T PS | 53,6 x 42 x 16,8 mm      |



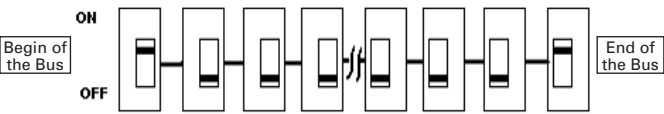
| Input 1 and Outout 2 |      |
|----------------------|------|
| L                    | (30) |
| L1                   | 24   |
| L2                   | 7    |
| L3                   | 6    |

| Part No.   | Description            | Dimensions Bus Connector |
|------------|------------------------|--------------------------|
| 2004310000 | PB-DP SUB-D ZF TERM S7 | 77,7 x 34,7 x 16,8 mm    |
| 2004320000 | PB-DP SUB-D ZF T PS S7 | 77,7 x 34,7 x 16,8 mm    |

### Circuit diagram

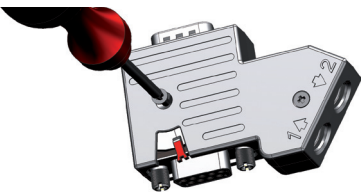


### Bus Termination

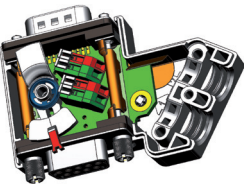


For use in NFPA 79 Applications only.  
Suitable for pollution degree 2 environment only.

(Shown 1173240000)

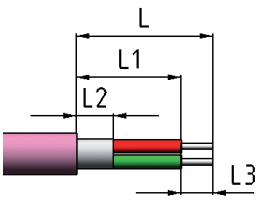


**Remove the 2 fixing screws**  
with Pozidriv screwdriver PZ1

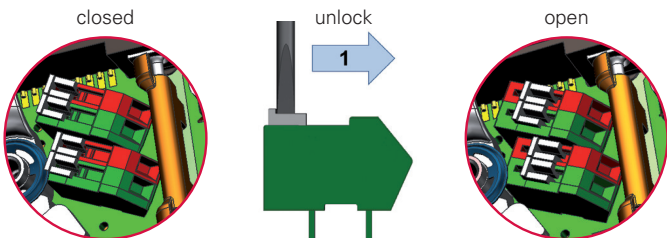


### Bus connector in open condition

without housing cover and without shield clamp. Clamps: Position of white locking slide for clamp close or open.

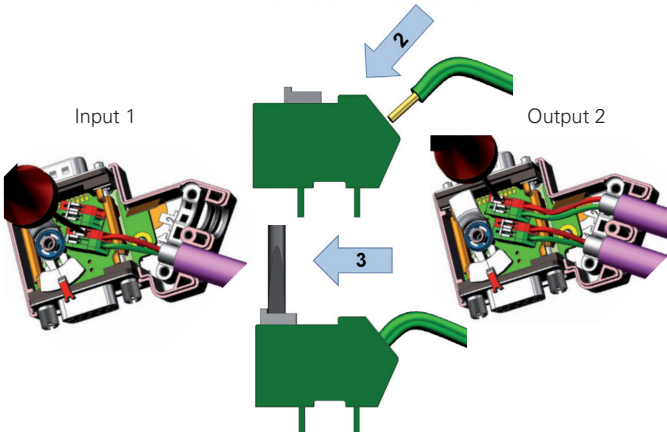


**Strip off Profibus cable in one step**  
with multi-stage strip off tool  
(recommended Weidmüller CST vario)  
or with standard strip off tool in a few steps.  
Strip off single wires to 6 +/-1mm and  
with strip tool (recommended Weidmüller STRIPAX).



### Opening of cage clamp terminals

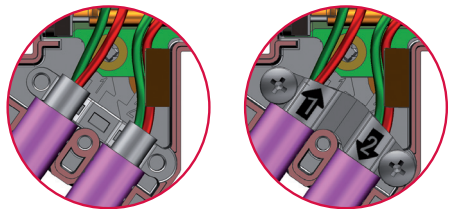
To open the terminals insert screwdriver with blade 2,5 x 0,4 into the white locking slide and move them forward (toward the cable output).



**Insert the cable wires for the terminals Profibus cable**  
into the clamps A1 and B1 (2) and  
close the terminals (3).

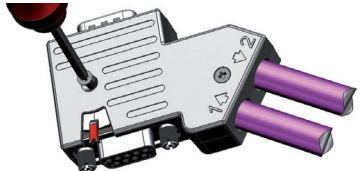
**Insert the cable wires for the outgoing Profibus cable**  
into A2 and B2 (2) and close the  
terminals (3).

**Attention! For SPECIAL and COMPACT**  
Only operate termination switch if the D-Sub connector is not screw locked.



### Turn on shield clamp

Take care, that the cable shield lay fully on front cable shield support (see left picture). Lock on the 2 fixing screws with Pozidriv screwdriver PZ1.  
Torque: max. 0,3 Nm.



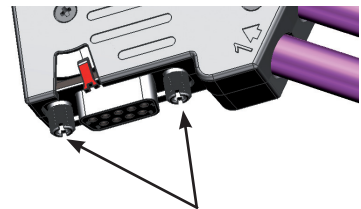
### Locking of housing cover

Tighten the 2 fixing screws with Pozidriv screwdriver PZ1  
Torque: max. 0,3 Nm.



### Bus termination (termination resistors) OFF/ON

For the bus termination with active termination move the switch lever to position "ON". For the bus termination for the 1st participant on the input side the output bus cable needs to be terminated on the input side (1) and move the switch lever to the position "ON".



### Mounting on the D-Sub of the Profibus interface

Torque of knurled locking screw: max. 0,3 Nm.