

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Rzeczywisty wygląd może różnić się
od przedstawionego na ilustracji.**



Obecnie często spotykane jest zapotrzebowanie na nie-standardowe długości kabli. Aby sprostać temu wymaganiu, Weidmüller oferuje szeroki zakres złącz wtykowych do swobodnego konfekcjonowania.

Ogólne dane zamówieniowe

| | |
|------------|----------------------------|
| Wykonanie | SUB-D |
| Nr zam. | 2433510000 |
| Typ | PB-DP SUB-D ZF 180 TERM |
| GTIN (EAN) | 4050118444100 |
| Ilość | 1 Szt. |

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Dane techniczne

Wymiary i ciężary

| | | | |
|------------|---------|------------------|------------|
| Głębokość | 14,8 mm | Głębokość (cale) | 0,583 inch |
| Wysokość | 66 mm | Wysokość (cale) | 2,598 inch |
| Szerokość | 31 mm | Szerokość (cale) | 1,22 inch |
| Masa netto | 25 g | | |

Temperatury

| | |
|------------|---|
| Wilgotność | Maks. 75% w temp. +25°C, niekondensujące |
|------------|---|

Specyfikacje techniczne złącza D-SUB

| | | | |
|-----------------------------|---------------------------------|------------------------------------|---|
| Cykle wpinania | ≥ 200 | Dostępny rezystor końcowy | Tak |
| Interfejs magistrali | Wtyk SUB-D, 9-biegunowy, Pin | Interfejs programistyczny | Nie |
| Magistrala, interfejs kabla | Złącze sprężynowe | Podstawowy materiał obudowy | ZnAl |
| Stopień ochrony | IP30 | Wilgotność | Maks. 75% w temp. +25°C, niekondensujące |
| Zakres temperatury obudowy | -20 - +70 °C | Złącze wtykowe i przypisanie pinów | Zgodnie ze specyfikacją PROFIBUS |
| kąt odejścia | 180° | ryglowanie | UNC4-40 |
| szybkość transmisji danych | 12 MBit/s | | |

Klasyfikacje

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001132 | ETIM 7.0 | EC001132 |
| ETIM 8.0 | EC001132 | ETIM 9.0 | EC001132 |
| ECLASS 9.0 | 27-44-03-02 | ECLASS 9.1 | 27-44-03-90 |
| ECLASS 10.0 | 27-44-03-02 | ECLASS 11.0 | 27-44-03-02 |
| ECLASS 12.0 | 27-44-03-02 | ECLASS 13.0 | 27-44-03-02 |

Zgodność produktu z wymogami środowiska naturalnego

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 3cc1d9b1-0f2a-47ed-a501-ddcfcfaaf625 |

Dopuszczenia

| | |
|------|--------|
| ROHS | Zgodny |
|------|--------|

Pobieranie

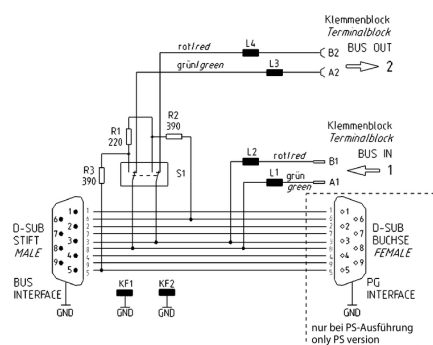
| | |
|----------|--|
| Katalogi | Catalogues in PDF-format |
| Broszury | FL FIELDWIRING EN |

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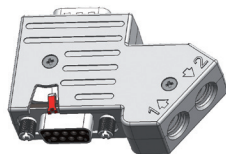
www.weidmueller.com**Rysunki****Schemat połączeń**

Montageanleitung: PROFIBUS Bus-Stecker mit interner Kabelklemme



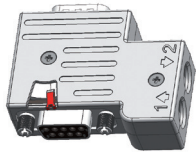
| Eingang 1 und Ausgang 2 | |
|-------------------------|------|
| L | (30) |
| L1 | 24 |
| L2 | 7 |
| L3 | 6 |

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



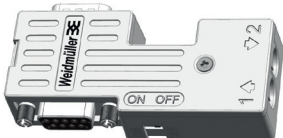
| Eingang 1 | | Ausgang 2 | |
|-----------|------|-----------|------|
| L | (30) | L | (35) |
| L1 | 24 | L1 | 29 |
| L2 | 7 | L2 | 7 |
| L3 | 6 | L3 | 6 |

| 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 |

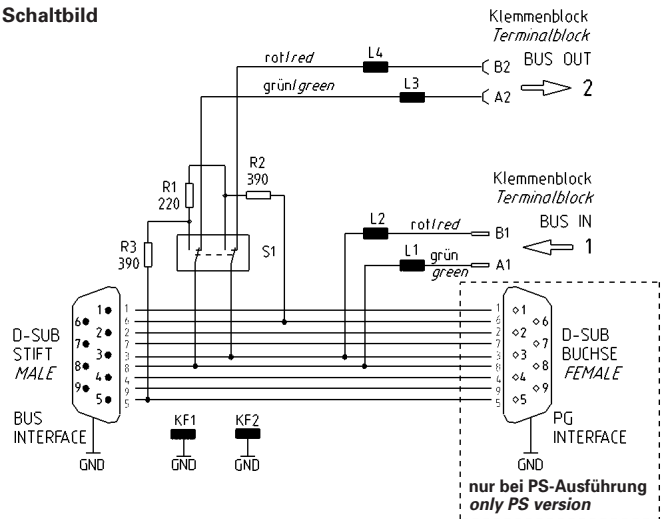
| Art.-Nr. | Beschreibung | Abmessungen Busstecker |
|------------|---------------------|------------------------|
| 1161870000 | PB-DP SUB-D ZF TERM | 53,6 x 42 x 16,8 mm |
| 1161880000 | PB-DP SUB-D ZF T PS | 53,6 x 42 x 16,8 mm |



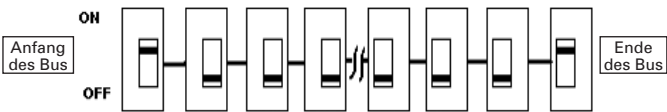
| Eingang 1 und Ausgang 2 | |
|-------------------------|------|
| L | (30) |
| L1 | 24 |
| L2 | 7 |
| L3 | 6 |

| 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

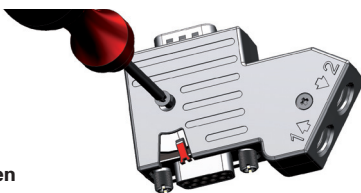


Bus-Terminierung



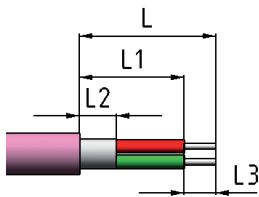
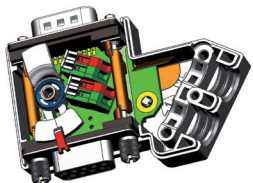
Diese Produkte sind für den Einsatz an Betriebsarten gemäß (National Electric Code) NFPA 79, bis Verschmutzungsgrad 2 zugelassen.

(Dargestellt 1173240000)

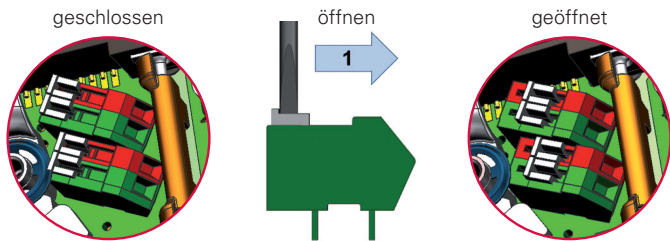


Die Befestigungsschrauben lösen
mit Pozidriv-Schraubendreher PZ1

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

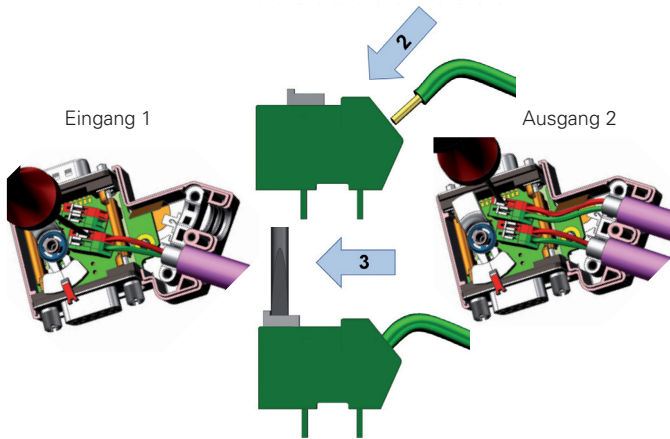


Profibus-Kabelmantel gestuft abisolieren
(siehe Artikel)
in einem Step mit mehrstufigen Abisolierwerkzeug (empfohlen Weidmüller CST vario) oder in mehreren Steps mit Standard-Abisolierwerkzeuge. Einzeladern abisolieren mit Abisolierzange (empfohlen Weidmüller STRIPAX).



Käfigzugfeder-Klemmen öffnen

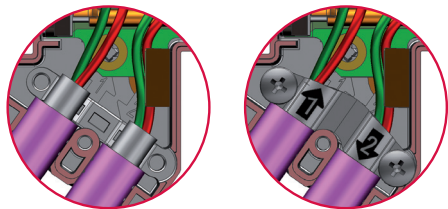
Schraubendreher mit Klinge 2,5 x 0,4 in weiße Betätigungsschieber einführen und nach vorne schieben (Pfeil 1) in Richtung Kabelausgang.



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

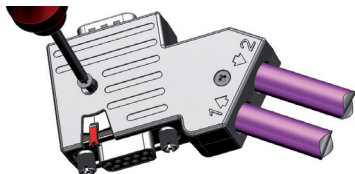
Abisolierte Einzeladern für abgehendes Profibus-Kabel
jeweils in die Klemmen A2 und B2 einführen (Pfeil 2) und Käfigzugfederklemmen schließen (Pfeil 3).

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.



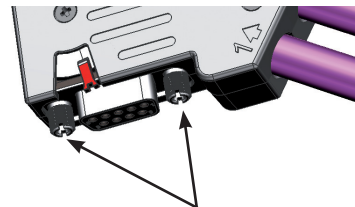
Gehäusedeckel verriegeln

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.

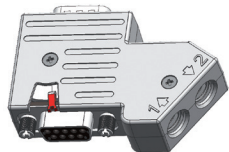


Mounting Instruction:
PROFIBUS Bus Connectors with internal cable clamp



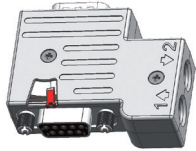
| Input 1 and Outout 2 | |
|----------------------|------|
| L | (30) |
| L1 | 24 |
| L2 | 7 |
| L3 | 6 |

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



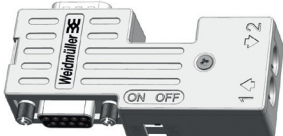
| Input 1 | | Outout 2 | |
|---------|------|----------|------|
| L | (30) | L | (35) |
| L1 | 24 | L1 | 29 |
| L2 | 7 | L2 | 7 |
| L3 | 6 | L3 | 6 |

| Part No. | Description | Dimensions Bus Connector |
|------------|---------------------------|--------------------------|
| 1173220000 | PB-DP SUB-D ZF 35 TERM | 64,6 x 42 x 16,8 mm |
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| Input 1 | | Outout 2 | |
|---------|------|----------|------|
| L | (35) | L | (30) |
| L1 | 29 | L1 | 24 |
| L2 | 7 | L2 | 7 |
| L3 | 6 | L3 | 6 |

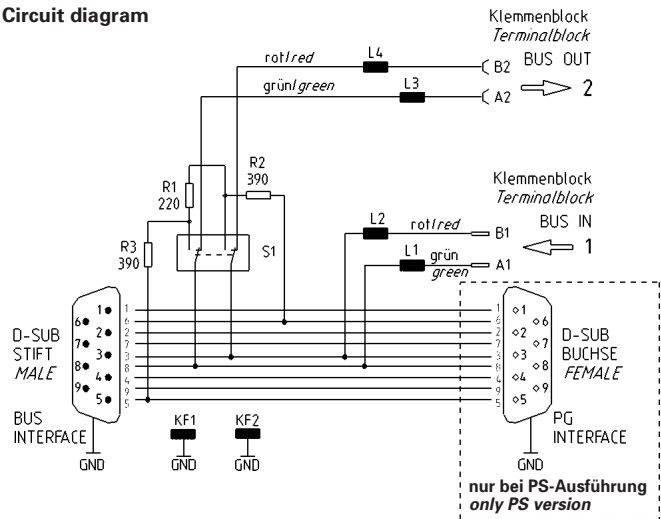
| Part No. | Description | Dimensions Bus Connector |
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| 1161870000 | PB-DP SUB-D ZF TERM | 53,6 x 42 x 16,8 mm |
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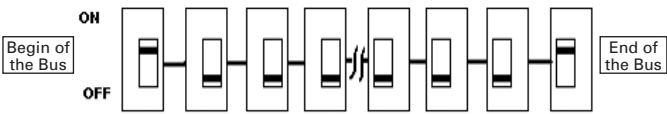
| Input 1 and Outout 2 | |
|----------------------|------|
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| Part No. | Description | Dimensions Bus Connector |
|------------|------------------------|--------------------------|
| 2004310000 | PB-DP SUB-D ZF TERM S7 | 77,7 x 34,7 x 16,8 mm |
| 2004320000 | PB-DP SUB-D ZF T PS S7 | 77,7 x 34,7 x 16,8 mm |

Circuit diagram

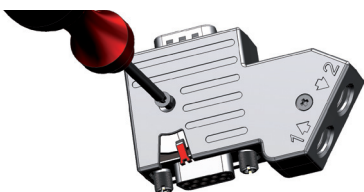


Bus Termination

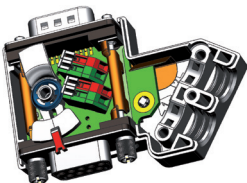


For use in NFPA 79 Applications only.
Suitable for pollution degree 2 environment only.

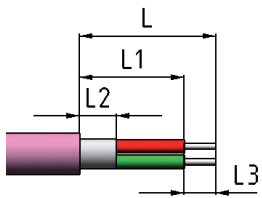
(Shown 1173240000)



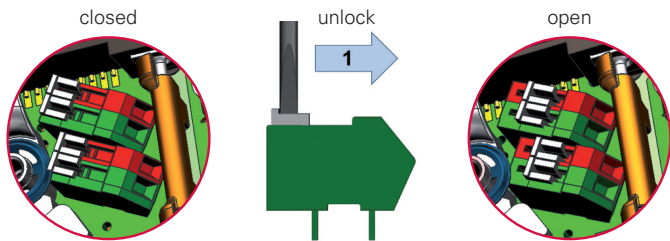
Remove the 2 fixing screws
with Pozidriv screwdriver PZ1



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

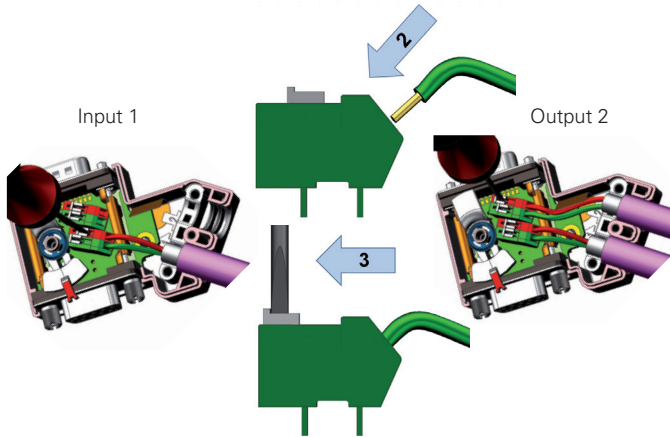


Strip off Profibus cable in one step
with multi-stage strip off tool
(recommended Weidmüller CST vario)
or with standard strip off tool in a few steps.
Strip off single wires to 6 +/-1mm and
with strip tool (recommended Weidmüller
STRIPAX).



Opening of cage clamp terminals

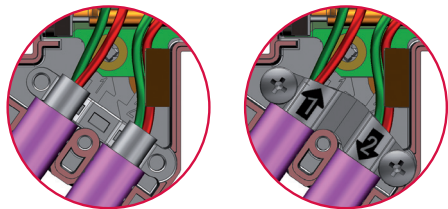
To open the terminals insert screwdriver with blade 2,5 x 0,4 into the
white locking slide and move them forward (toward the cable output).



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

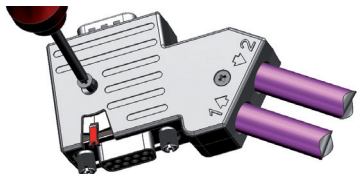
Insert the cable wires for the
outgoing Profibus cable
into A2 and B2 (2) and close the
terminals (3).

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



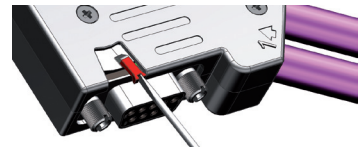
Turn on shield clamp

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.



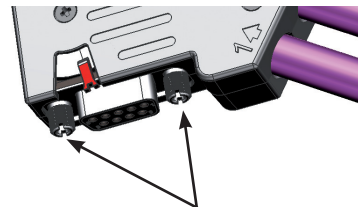
Locking of housing cover

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.