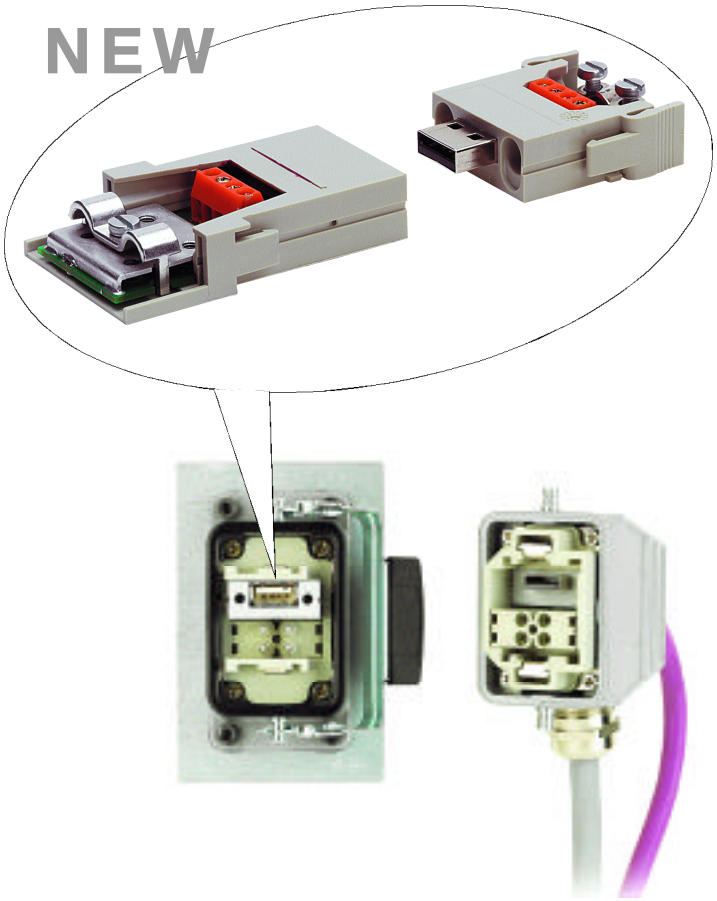
Datasheet

Heavy Duty Connectors

ConCept Bus

Smallest bus connector with integrated T-distributor for Profibus DP



A Weidmuller exclusive, ConCept Bus is by far the smallest module available for shielded cables for a modular heavy duty connector. The perfect solution for rough industrial surroundings. Supplemented by the simple screw connection. No crimping necessary!

Weidmüller's innovative bus module for the modular connector system ConCept provides a high degree of functionality and protection class (IP65/NEMA 4P) in a very small space. ConCept Bus is ideal for a simple connection of two shielded bus cables. The connector also distributes from the trunk cable to the field device.

In combination with additional modules, you can connect power supplies and field signal devices using a single heavy duty connector.

Advantages:

- Smallest solution in industry
- Profibus-DP solution
- Shielded Fieldbus connection
- Bus connector with high class of protection (IP65)
- Integrated pluggable T-distribution
- Simple screw connection

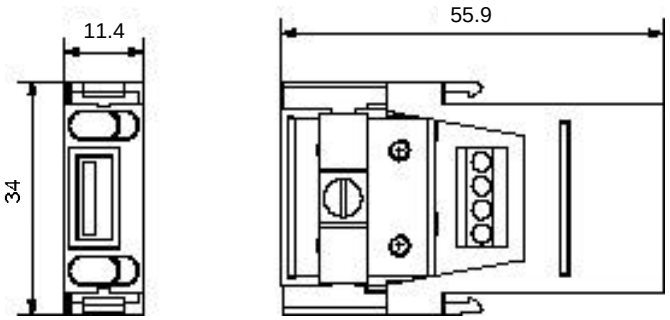
United States
Weidmuller Inc.
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Facsimile: (804) 379-2593
Email: info@weidmuller.com
Website: www.weidmuller.com

Canada
Weidmuller Ltd.
10 Spy Court
Markham, Ontario L3R-5H6
Telephone: (800) 268-4080
Facsimile: (905) 475-2798
Email: info1@weidmuller.ca
Website: www.weidmuller.ca

Mexico
Weidmuller, S.A. de C.V.
5 Sur No. 4311
Col. Huexotitla
72534 Puebla, Pue. Mexico
Telephone: (22) 37 2549
Facsimile: (22) 43 1981
Email: weidmull@acnet.net

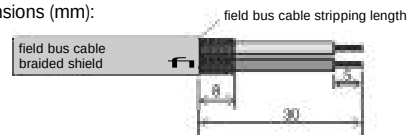
Weidmüller

HDC CM BUS 2BS T PDP
ConCept Bus female module

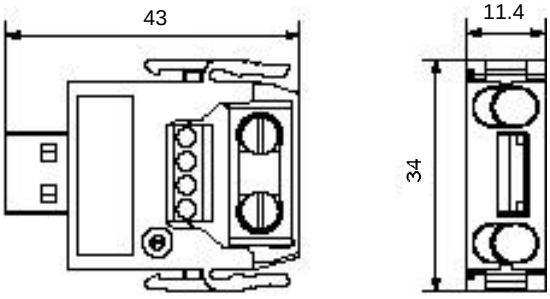


Unit: mm (1 mm = 0.039 inch)

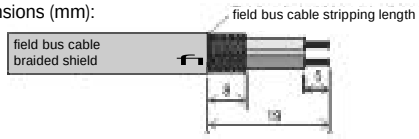
Stripping dimensions (mm):



HDC CM BUS 2SS PDP
ConCept Bus male module



Stripping dimensions (mm):



Technical data

Materials data	
Insulation material	PC fiber glass reinforced
Color	grey (similar to RAL 7032)
Temperature range	- 20°C…+85°C or -4°F…+185°F

Characteristic system values	
Connection technology	Screw connection
Insulation stripping length	(see fig. above)
Pole number	2 + shielding
Field bus system	Profibus DP
Connectable conductors	according to Profibus DP

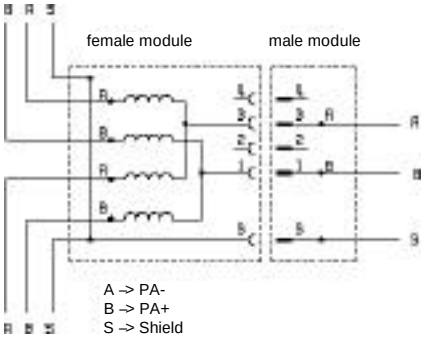
Rated data according to VDE 0106 Teil 100	
Rated current	1 A
Rated voltage	30 V
Transmission rate	12 Mbit/s

Connection torques	
Shielded clip	max. 0.5 Nm
PCB Terminal	max. 0.2 Nm

Ordering data

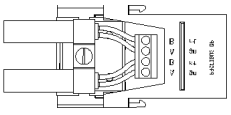
Type	Part No.
HDC CM BUS 2SS PDP A	**1806060000**
HDC CM BUS 2BS T PDP C	**1806030000**

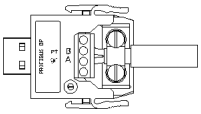
Circuit diagram



Assembly drawing

Alternative 1:





Alternative 2:

