



Profibus Converter PCF 20-10 PF660

Advantages

- Possibility to set up optical bus systems for Profibus FMS/DP
- Signal regeneration
- Plug & Play installation
- T-functionality

General description

The Profibus Converter PCF 20-10 PF660 allows to set up profibus networks with POF (polymer optical fibre) or HCS®¹⁾ fibres ($\lambda = 660 \text{ nm}$).

PCF 20-10 PF660 is suitable for the assembly on standard rail as well as for the assembly directly on the panel within switch cabinets and termination boxes.

1) HCS is registered trade mark of SpecTran Corporation

Technical Details

Housing and Assembly

Housing	robust metal housing of zinc die cast
Dimensions	45 x 120 x 87 (W x D x H in mm, without connector)
Assembly	35 mm standard rail acc. to DIN EN 60715 panel mounting fixation for upright assembly flat assembly

Power Supply

Input voltage	24 V DC (18 ... 30 V DC)
Current consumption	typical 250 mA (at 24 V DC)

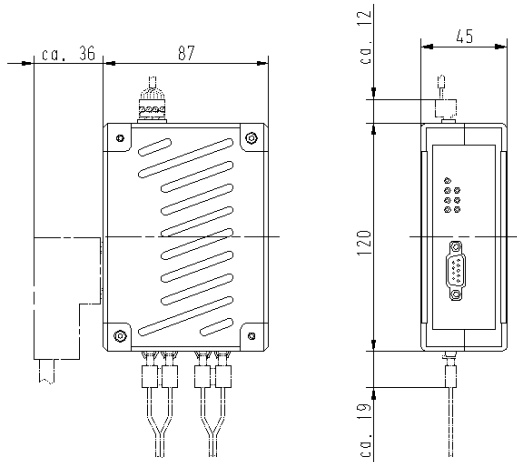
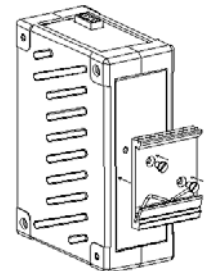
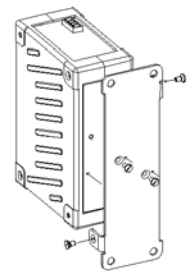
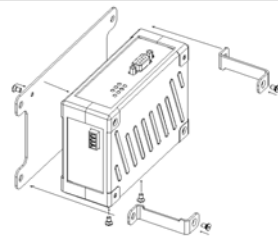
Profibus Interface

Supported bus structures	point to point, star topology, bus topology
Data transmission rate	automatic transmission rate detection, max. 12 MBit/s
Terminals	2 optical ports 660nm: HP Versatile Link Profibus: D-Sub 9pin female 24 V power supply: 2 pairs of screw terminals designed redundantly
Suitable fibre types 660 nm	POF (polymer optical fibre) 980/1000 μm , max. transmission distance 50 m HCS® ¹⁾ 200/230 μm , max. transmission distance 300 m

Environmental conditions

Degree of protection	IP 20
Operating temperature	0°C up to +55°C
Operating humidity	30% up to 95%, not condensing

All datas given are in line with the actual state of art and therefore not binding.
HARTING reserves the right to modify designs without giving the relevant reasons.

Identification	Part-Number	Drawing	Dimensions in mm
PCF 20-10 PF660 Profibus Converter 2 optical ports 660 nm, POF/HCS®1)	20 42 004 3646		
POF = polymer optical fibre			
Accessories	Part-Number	Drawing	Dimensions in mm
Set for assembly on standard rail acc. to DIN EN 60715	20 80 000 0003		
Set for panel mounting upright assembly	20 80 024 0001		
Set for panel mounting flat assembly	20 80 024 0002		
Hewlett Packard Versatile Link crimp contacts Hewlett Packard Versatile Link crimpless contacts HCS®1)	20 10 001 7111 20 10 001 7112 20 10 230 7111	1) HCS is registered trade mark of SpecTran Corporation	