Overview of the System Components

- Different field device couplers on the high energy trunk in Zone 1 or Zone 2 / Div. 2
- Connection of Zone 1 / Div. 1 Ex i / FISCO and Ex d / Ex m fieldbus devices as well as Ex i contacts, proximity switches and solenoid valves
- Connection of Zone 2 / Div. 2 Ex nL, ic respectively Nonincendive fieldbus devices
- Simplex or redundant fieldbus power supply for up to 32 field devices
**Customer specific solution:**

Ex i fieldbus barriers on the non-intrinsically safe high energy trunk can be shut down separately in Zone 1 and can therefore be replaced easily. Spurs and trunks include lightning protection, separate earthing for fieldbus cables, enclosures and armouring.

**Customer specific solution:**

Combination of remote I/O (top) and valve blocks (left) on the Profinet DP with Ex i fieldbus barriers for FOUNDATION™ fieldbus H1. Installation in Zone 2 or in the safe area. For max. 128 analogue or 256 digital conventional signals and 48 FOUNDATION™ fieldbus H1 field devices.
Overview of Fieldbus Accessories

1 = Applicable enclosures
   - made of moulded plastic Series 8146
   - made of stainless steel Series 8125
   - customer specific versions

2 = Cable glands
   - made of moulded plastic Series 8161
   - made of metal

3 = mini CLIX Series 8591
   - Ex plug with hot swap
   - for non-intrinsically safe signals

4 = Y-Adapter mini CLIX Series 8592
   - Socket with 2 cable glands

5 = Breathing gland Series 8162

6 = Windows
   - 122 mm x 66 mm (L x H)
   - → Ordering code 86 038 04 58 0
   - 64 mm x 64 mm (L x H)
   - → Ordering code 86 038 01 58 0

7 = Shield connection terminals
   - (e.g. from Weidmüller, Phoenix)
   - Version: screw or cage clamp terminal

8 = Application specific components
   - (e.g. Isolating Terminal Series 8082)

9 = Terminator Ex i or Ex m Type 9418
   - for fieldbuses

Note: Selection tables of fieldbus accessories see page 5/xx

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