

## Pin-Out Table

| Termination Board<br>field side |         |                            | Modules                        |                                      | Termination Board<br>control side |             |
|---------------------------------|---------|----------------------------|--------------------------------|--------------------------------------|-----------------------------------|-------------|
| Module                          | Channel | IS terminals<br>M1 ... M16 | IS terminals SL2<br>field side | Non-IS terminals SL1<br>control side | Non-IS terminals<br>M1 ... M16    | Signal name |
| 1                               | 1       | 1 (1e)                     | 5a                             | 8a                                   | 11                                | CH1+        |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH1-        |
|                                 | 2       | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH2+        |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH2-        |
| 2                               | 3       | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH3+        |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH3-        |
|                                 | 4       | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH4+        |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH4-        |
| 3                               | 5       | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH5+        |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH5-        |
|                                 | 6       | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH6+        |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH6-        |
| 4                               | 7       | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH7+        |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH7-        |
|                                 | 8       | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH8+        |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH8-        |
| 5                               | 9       | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH9+        |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH9-        |
|                                 | 10      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH10+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH10-       |
| 6                               | 11      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH11+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH11-       |
|                                 | 12      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH12+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH12-       |
| 7                               | 13      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH13+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH13-       |
|                                 | 14      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH14+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH14-       |
| 8                               | 15      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH15+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH15-       |
|                                 | 16      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH16+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH16-       |
| 9                               | 17      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH17+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH17-       |
|                                 | 18      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH18+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH18-       |
| 10                              | 19      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH19+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH19-       |
|                                 | 20      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH20+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH20-       |
| 11                              | 21      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH21+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH21-       |
|                                 | 22      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH22+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH22-       |
| 12                              | 23      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH23+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH23-       |
|                                 | 24      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH24+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH24-       |
| 13                              | 25      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH25+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH25-       |
|                                 | 26      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH26+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH26-       |
| 14                              | 27      | 1 (e)                      | 5a                             | 8a                                   | 11                                | CH27+       |
|                                 |         | 4                          | 5b                             | 7a                                   | 14                                | CH27-       |
|                                 | 28      | 2 (2e)                     | 1a                             | 10a                                  | 12                                | CH28+       |
|                                 |         | 5                          | 1b                             | 9a                                   | 15                                | CH28-       |

## Pin-Out Table

| Termination Board field side |         |                         | Modules                     |                                   | Termination Board control side |             |
|------------------------------|---------|-------------------------|-----------------------------|-----------------------------------|--------------------------------|-------------|
| Module                       | Channel | IS terminals M1 ... M16 | IS terminals SL2 field side | Non-IS terminals SL1 control side | Non-IS terminals M1 ... M16    | Signal name |
| 15                           | 29      | 1 (1e)                  | 5a                          | 8a                                | 11                             | CH29+       |
|                              |         | 4                       | 5b                          | 7a                                | 14                             | CH29-       |
|                              | 30      | 2 (2e)                  | 1a                          | 10a                               | 12                             | CH30+       |
|                              |         | 5                       | 1b                          | 9a                                | 15                             | CH30-       |
| 16                           | 31      | 1 (e)                   | 5a                          | 8a                                | 11                             | CH31+       |
|                              |         | 4                       | 5b                          | 7a                                | 14                             | CH31-       |
|                              | 32      | 2 (2e)                  | 1a                          | 10a                               | 12                             | CH32+       |
|                              |         | 5                       | 1b                          | 9a                                | 15                             | CH32-       |

| Terminal pin-out | Connector | Pin    | Channel      |
|------------------|-----------|--------|--------------|
| HART Signal      | HART      | 1, 2   | CH1+, CH1-   |
|                  |           | 3, 4   | CH3+, CH3-   |
|                  |           | 5, 6   | CH5+, CH5-   |
|                  |           | 7, 8   | CH7+, CH7-   |
|                  |           | 9, 10  | CH9+, CH9-   |
|                  |           | 11, 12 | CH11+, CH11- |
|                  |           | 13, 14 | CH13+, CH13- |
|                  |           | 15, 16 | CH15+, CH15- |
|                  |           | 17, 18 | CH17+, CH17- |
|                  |           | 19, 20 | CH19+, CH19- |
|                  |           | 21, 22 | CH21+, CH21- |
|                  |           | 23, 24 | CH23+, CH23- |
|                  |           | 25, 26 | CH25+, CH25- |
|                  |           | 27, 28 | CH27+, CH27- |
|                  |           | 29, 30 | CH29+, CH29- |
|                  |           | 31, 32 | CH31+, CH31- |

| Terminal pin-out | Connector | Pin  | Signal name |
|------------------|-----------|------|-------------|
| Power supply     | X20       | 6    | Supply I -  |
|                  |           | 5    | Supply I +  |
|                  | X20       | 4    | Supply II - |
|                  |           | 3    | Supply II + |
| Fault Bus        | X20       | 1, 2 | Fault Bus   |

| Module pin-out (SL1): module 1 ... 16 |        |
|---------------------------------------|--------|
| V <sub>cc</sub>                       | 2a (+) |
|                                       | 2b (+) |
| GND                                   | 1a (-) |
|                                       | 1b (-) |
| Fault                                 | 6b     |

 The loop drawing has to be observed. For information see corresponding data sheet on [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).