

## Pin-Out Table

| Termination Board field side |         | Modules                 |                             |                                   |                      | HIMA signal name          |
|------------------------------|---------|-------------------------|-----------------------------|-----------------------------------|----------------------|---------------------------|
| Module                       | Channel | IS terminals M1 ... M16 | IS terminals SL2 field side | Non-IS terminals SL1 control side | System connector XG1 | X-AI 32 01/<br>X-AI 32 02 |
| 1                            | 1       | 1                       | 5a                          | 8a                                | b1                   | AI1+                      |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          | 7a                                | a1 - a8              | AI-                       |
|                              | 5       | 1b                      |                             |                                   |                      |                           |
|                              | 3       | 3a                      | 10a                         |                                   |                      |                           |
|                              | 6       | 3b                      |                             |                                   |                      |                           |
| 7                            | 7a      | 9a                      |                             | a1 - a8                           | AI-                  |                           |
| 8                            | 7b      |                         |                             |                                   |                      |                           |
| 2                            | 3       |                         | 1                           |                                   |                      | 5a                        |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          | 7a                                | a1 - a8              | AI-                       |
|                              | 5       | 1b                      |                             |                                   |                      |                           |
|                              | 3       | 3a                      | 10a                         |                                   |                      |                           |
|                              | 6       | 3b                      |                             |                                   |                      |                           |
| 7                            | 7a      | 9a                      |                             | a1 - a8                           | AI-                  |                           |
| 8                            | 7b      |                         |                             |                                   |                      |                           |
| 3                            | 5       |                         | 1                           |                                   |                      | 5a                        |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          | 7a                                | a1 - a8              | AI-                       |
|                              | 5       | 1b                      |                             |                                   |                      |                           |
|                              | 3       | 3a                      | 10a                         |                                   |                      |                           |
|                              | 6       | 3b                      |                             |                                   |                      |                           |
| 7                            | 7a      | 9a                      |                             | a1 - a8                           | AI-                  |                           |
| 8                            | 7b      |                         |                             |                                   |                      |                           |
| 4                            | 7       |                         | 1                           |                                   |                      | 5a                        |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          | 7a                                | a1 - a8              | AI-                       |
|                              | 5       | 1b                      |                             |                                   |                      |                           |
|                              | 3       | 3a                      | 10a                         |                                   |                      |                           |
|                              | 6       | 3b                      |                             |                                   |                      |                           |
| 7                            | 7a      | 9a                      |                             | a1 - a8                           | AI-                  |                           |
| 8                            | 7b      |                         |                             |                                   |                      |                           |
| 5                            | 9       |                         | 1                           |                                   |                      | 5a                        |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          | 7a                                | a1 - a8              | AI-                       |
|                              | 5       | 1b                      |                             |                                   |                      |                           |
|                              | 3       | 3a                      | 10a                         |                                   |                      |                           |
|                              | 6       | 3b                      |                             |                                   |                      |                           |
| 7                            | 7a      | 9a                      |                             | a1 - a8                           | AI-                  |                           |
| 8                            | 7b      |                         |                             |                                   |                      |                           |
| 6                            | 11      |                         | 1                           |                                   |                      | 5a                        |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          | 7a                                | a1 - a8              | AI-                       |
|                              | 5       | 1b                      |                             |                                   |                      |                           |
|                              | 3       | 3a                      | 10a                         |                                   |                      |                           |
|                              | 6       | 3b                      |                             |                                   |                      |                           |
| 7                            | 7a      | 9a                      |                             | a1 - a8                           | AI-                  |                           |
| 8                            | 7b      |                         |                             |                                   |                      |                           |
| 7                            | 13      |                         | 1                           |                                   |                      | 5a                        |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          | 7a                                | a1 - a8              | AI-                       |
|                              | 5       | 1b                      |                             |                                   |                      |                           |
|                              | 3       | 3a                      | 10a                         |                                   |                      |                           |
|                              | 6       | 3b                      |                             |                                   |                      |                           |
| 7                            | 7a      | 9a                      |                             | a1 - a8                           | AI-                  |                           |
| 8                            | 7b      |                         |                             |                                   |                      |                           |

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## Pin-Out Table

| Termination Board field side |         |                         | Modules                     |                                   |                      | HIMA signal name          |
|------------------------------|---------|-------------------------|-----------------------------|-----------------------------------|----------------------|---------------------------|
| Module                       | Channel | IS terminals M1 ... M16 | IS terminals SL2 field side | Non-IS terminals SL1 control side | System connector XG1 | X-AI 32 01/<br>X-AI 32 02 |
| 8                            | 15      | 1                       | 5a                          | 8a                                | b15                  | AI15+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 16      | 3                       | 3a                          | 10a                               | b16                  | AI16+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
| 9                            | 17      | 1                       | 5a                          | 8a                                | b17                  | AI17+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 18      | 3                       | 3a                          | 10a                               | b18                  | AI18+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
| 10                           | 19      | 1                       | 5a                          | 8a                                | b19                  | AI19+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 20      | 3                       | 3a                          | 10a                               | b20                  | AI20+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
| 11                           | 21      | 1                       | 5a                          | 8a                                | b21                  | AI21+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 22      | 3                       | 3a                          | 10a                               | b22                  | AI22+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
| 12                           | 23      | 1                       | 5a                          | 8a                                | b23                  | AI23+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 24      | 3                       | 3a                          | 10a                               | b24                  | AI24+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
| 13                           | 25      | 1                       | 5a                          | 8a                                | b25                  | AI25+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 26      | 3                       | 3a                          | 10a                               | b26                  | AI26+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
| 14                           | 27      | 1                       | 5a                          | 8a                                | b27                  | AI27+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 28      | 3                       | 3a                          | 10a                               | b28                  | AI28+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |

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## Pin-Out Table

| Termination Board field side |         |                         | Modules                     |                                   |                      | HIMA signal name          |
|------------------------------|---------|-------------------------|-----------------------------|-----------------------------------|----------------------|---------------------------|
| Module                       | Channel | IS terminals M1 ... M16 | IS terminals SL2 field side | Non-IS terminals SL1 control side | System connector XG1 | X-AI 32 01/<br>X-AI 32 02 |
| 15                           | 29      | 1                       | 5a                          | 8a                                | b29                  | AI29+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 30      | 3                       | 3a                          | 10a                               | b30                  | AI30+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
| 16                           | 31      | 1                       | 5a                          | 8a                                | b31                  | AI31+                     |
|                              |         | 4                       | 5b                          |                                   |                      |                           |
|                              |         | 2                       | 1a                          |                                   |                      |                           |
|                              |         | 5                       | 1b                          |                                   |                      |                           |
|                              | 32      | 3                       | 3a                          | 10a                               | b32                  | AI32+                     |
|                              |         | 6                       | 3b                          |                                   |                      |                           |
|                              |         | 7                       | 7a                          |                                   |                      |                           |
|                              |         | 8                       | 7b                          |                                   |                      |                           |
|                              |         |                         |                             |                                   | a32                  | reserved                  |
|                              |         |                         |                             |                                   | a31                  | reserved                  |
|                              |         |                         |                             |                                   | a30                  | reserved                  |
|                              |         |                         |                             |                                   | a29                  | reserved                  |

| Terminal pin-out | Connector | Pin    | Signal name |
|------------------|-----------|--------|-------------|
| HART signal      | HART1     | 1, 2   | AI1+, AI-   |
|                  |           | 3, 4   | AI2+, AI-   |
|                  |           | 5, 6   | AI3+, AI-   |
|                  |           | 7, 8   | AI4+, AI-   |
|                  |           | 9, 10  | AI5+, AI-   |
|                  |           | 11, 12 | AI6+, AI-   |
|                  |           | 13, 14 | AI7+, AI-   |
|                  |           | 15, 16 | AI8+, AI-   |
|                  |           | 17, 18 | AI9+, AI-   |
|                  |           | 19, 20 | AI10+, AI-  |
|                  |           | 21, 22 | AI11+, AI-  |
|                  |           | 23, 24 | AI12+, AI-  |
|                  |           | 25, 26 | AI13+, AI-  |
|                  |           | 27, 28 | AI14+, AI-  |
|                  |           | 29, 30 | AI15+, AI-  |
|                  |           | 31, 32 | AI16+, AI-  |
|                  | HART2     | 1, 2   | AI17+, AI-  |
|                  |           | 3, 4   | AI18+, AI-  |
|                  |           | 5, 6   | AI19+, AI-  |
|                  |           | 7, 8   | AI20+, AI-  |
|                  |           | 9, 10  | AI21+, AI-  |
|                  |           | 11, 12 | AI22+, AI-  |
|                  |           | 13, 14 | AI23+, AI-  |
|                  |           | 15, 16 | AI24+, AI-  |
|                  |           | 17, 18 | AI25+, AI-  |
|                  |           | 19, 20 | AI26+, AI-  |
|                  |           | 21, 22 | AI27+, AI-  |
|                  |           | 23, 24 | AI28+, AI-  |
|                  |           | 25, 26 | AI29+, AI-  |
|                  |           | 27, 28 | AI30+, AI-  |
|                  |           | 29, 30 | AI31+, AI-  |
|                  |           | 31, 32 | AI32+, AI-  |

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## Pin-Out Table

| Terminal pin-out            | Connector | Pin  | Signal name |
|-----------------------------|-----------|------|-------------|
| Power supply                | XG2       | 1    | Supply I +  |
|                             |           | 2    | Supply I -  |
|                             | XG2       | 3    | Supply II + |
|                             |           | 4    | Supply II - |
| Volt-free indication output | XG2       | 5, 6 | Fault       |

| 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).