

## Pin-Out Table

| Termination Board field side |         |                      | Modules                     |                                   | Termination Board control side | Yokogawa signal name |
|------------------------------|---------|----------------------|-----------------------------|-----------------------------------|--------------------------------|----------------------|
| Module                       | Channel | IS terminals TB1/TB2 | IS terminals SL2 field side | Non-IS terminals SL1 control side | System connector CN1, CN2      | SAI143               |
| 1                            | 1       | 1                    | 5a                          | 8a                                | 37                             | IN1B                 |
|                              |         | 4                    | 5b                          | 7a                                | 38                             | IN1A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 2                            | 2       | 1                    | 5a                          | 8a                                | 35                             | IN2B                 |
|                              |         | 4                    | 5b                          | 7a                                | 36                             | IN2A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 3                            | 3       | 1                    | 5a                          | 8a                                | 33                             | IN3B                 |
|                              |         | 4                    | 5b                          | 7a                                | 34                             | IN3A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 4                            | 4       | 1                    | 5a                          | 8a                                | 31                             | IN4B                 |
|                              |         | 4                    | 5b                          | 7a                                | 32                             | IN4A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 5                            | 5       | 1                    | 5a                          | 8a                                | 29                             | IN5B                 |
|                              |         | 4                    | 5b                          | 7a                                | 30                             | IN5A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 6                            | 6       | 1                    | 5a                          | 8a                                | 27                             | IN6B                 |
|                              |         | 4                    | 5b                          | 7a                                | 28                             | IN6A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 7                            | 7       | 1                    | 5a                          | 8a                                | 25                             | IN7B                 |
|                              |         | 4                    | 5b                          | 7a                                | 26                             | IN7A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 8                            | 8       | 1                    | 5a                          | 8a                                | 23                             | IN8B                 |
|                              |         | 4                    | 5b                          | 7a                                | 24                             | IN8A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |

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| Module                       | Channel | IS terminals TB1/TB2 | IS terminals SL2 field side | Non-IS terminals SL1 control side | System connector CN1, CN2      | SAI143               |
| 9                            | 9       | 1                    | 5a                          | 8a                                | 21                             | IN9B                 |
|                              |         | 4                    | 5b                          | 7a                                | 22                             | IN9A                 |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 10                           | 10      | 1                    | 5a                          | 8a                                | 19                             | IN10B                |
|                              |         | 4                    | 5b                          | 7a                                | 20                             | IN10A                |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 11                           | 11      | 1                    | 5a                          | 8a                                | 17                             | IN11B                |
|                              |         | 4                    | 5b                          | 7a                                | 18                             | IN11A                |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 12                           | 12      | 1                    | 5a                          | 8a                                | 15                             | IN12B                |
|                              |         | 4                    | 5b                          | 7a                                | 16                             | IN12A                |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 13                           | 13      | 1                    | 5a                          | 8a                                | 13                             | IN13B                |
|                              |         | 4                    | 5b                          | 7a                                | 14                             | IN13A                |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 14                           | 14      | 1                    | 5a                          | 8a                                | 11                             | IN14B                |
|                              |         | 4                    | 5b                          | 7a                                | 12                             | IN14A                |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 15                           | 15      | 1                    | 5a                          | 8a                                | 9                              | IN15B                |
|                              |         | 4                    | 5b                          | 7a                                | 10                             | IN15A                |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
| 16                           | 16      | 1                    | 5a                          | 8a                                | 7                              | IN16B                |
|                              |         | 4                    | 5b                          | 7a                                | 8                              | IN16A                |
|                              |         | 2                    | 1a                          |                                   |                                |                      |
|                              |         | 5                    | 1b                          |                                   |                                |                      |
|                              |         |                      |                             | GND                               | 39                             | n.c.                 |
|                              |         |                      |                             |                                   | 1, 40                          | CBSE                 |
|                              |         |                      |                             |                                   | 2 ... 6                        | n.c.                 |

## Terminal pin-out

|  |     |      |
|--|-----|------|
| Power supply                           | X20 | 3+   |
|  |     | 4-   |
|  | X20 | 5+   |
|  |     | 6-   |
| Potential-free fault indication output | X20 | 1, 2 |

## Module pin-out (SL1): module 1 ... 16

|                 |        |
|-----------------|--------|
| V <sub>cc</sub> | 2a (+) |
|                 | 2b (+) |
| GND             | 1a (-) |
|                 | 1b (-) |



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