

### Product Configuration Options

|  |   |   |   |   |   |   |   |   |   |   |   |    |                   |    |
|--|---|---|---|---|---|---|---|---|---|---|---|----|-------------------|----|
| <b>OrderCode:</b>                              | IED-EP+/DTRV/E4-TR_H/E33014110010-C102717011100-92        |   |   |   |   |   |   |   |   |   |   |    |                   |    |
| <b>Platform:</b> IED-EP+<br>EuroProt+ platform | <b>Type:</b> DTRV<br>Transformer & (generator) protection |   |   |   |   |   | <b>Configuration:</b> E4-TR_H<br>Basic 3 winding transformer differential protection in 42HP rack size.<br>(Numbers of binary I/O in the standard configuration: 8BOut, 12Bin.) |   |   |   |   |    |                   |    |
| <b>Platform specific options</b>               | Position  | 0 | 1 | 2 | 3 | 4 | 5   | 6 | 7 | 8 | 9 | 10 | 11                |    |
|  | Value   | E | 3 | 3 | 0 | 1 | 4   | 1 | 1 | 0 | 0 | 1  | 0                 |    |
| <b>Config specific options</b>                 | Position  | 0 | 1 | 2 | 3 | 4 | 5   | 6 | 7 | 8 | 9 | 10 | 11                | 12 |
|  | Value   | E | 1 | 0 | 2 | 7 | 1   | 7 | 0 | 1 | 1 | 1  | 0                 | 0  |
| <b>Checksum</b>                                | 92  |   |   |   |   |   |   |   |   |   |   |    |                   |    |
| <b>Detailed platform specific options</b>      |   |   |   |   |   |   |   |   |   |   |   |    |                   |    |
| <b>Platform version</b>                        |   |   |   |   |   |   |   |   |   |   |   |    | <b>Position 0</b> |    |
| Current version                                |   |   |   |   |   |   |   |   |   |   |   |    | E                 |    |
| <b>Power Supply</b>                            |   |   |   |   |   |   |   |   |   |   |   |    | <b>Position 1</b> |    |
| 24V  |   |   |   |   |   |   |   |   |   |   |   |    | 0                 |    |
| 48V  |   |   |   |   |   |   |   |   |   |   |   |    | 1                 |    |
| 60V  |   |   |   |   |   |   |   |   |   |   |   |    | 2                 |    |
| 110V   |   |   |   |   |   |   |   |   |   |   |   |    | 3                 |    |
| 220/230V                                       |   |   |   |   |   |   |   |   |   |   |   |    | 4                 |    |
| <b>I/O modules</b>                             |   |   |   |   |   |   |   |   |   |   |   |    | <b>Position 2</b> |    |
| 24V  |   |   |   |   |   |   |   |   |   |   |   |    | 0                 |    |
| 48V  |   |   |   |   |   |   |   |   |   |   |   |    | 1                 |    |
| 60V  |   |   |   |   |   |   |   |   |   |   |   |    | 2                 |    |
| 110V (125V)                                    |   |   |   |   |   |   |   |   |   |   |   |    | 3                 |    |
| 220V   |   |   |   |   |   |   |   |   |   |   |   |    | 4                 |    |
| 110VAC   |   |   |   |   |   |   |   |   |   |   |   |    | 5                 |    |
| 230VAC   |   |   |   |   |   |   |   |   |   |   |   |    | 6                 |    |
| <b>Mounting methods</b>                        |   |   |   |   |   |   |   |   |   |   |   |    | <b>Position 3</b> |    |
| Rack   |   |   |   |   |   |   |   |   |   |   |   |    | 0                 |    |
| Flush mounting                                 |   |   |   |   |   |   |   |   |   |   |   |    | 1                 |    |
| Wall mounting                                  |   |   |   |   |   |   |   |   |   |   |   |    | 2                 |    |
| Semi-flush                                     |   |   |   |   |   |   |   |   |   |   |   |    | 3                 |    |
| IP54 rated mounting                            |   |   |   |   |   |   |   |   |   |   |   |    | 4                 |    |

|  |                    |
|--|--------------------|
| Wall mounting with terminals                     | 5                  |
| No mounting                                      | 6                  |
| Fold-down mounting                               | 7                  |
| Fold-down mounting with terminals                | 8                  |
| <b>CPU first communication port</b>              | <b>Position 4</b>  |
| N/A  | 0                  |
| Fiber optical Ethernet MM/ST                     | 1                  |
| Fiber optical Ethernet MM/LC                     | 2                  |
| Fiber optical Ethernet SM/FC                     | 3                  |
| RJ-45 Ethernet                                   | 4                  |
| 2xMM/LC with PRP/HSR                             | 5                  |
| 2xSFP with PRP/HSR                               | 6                  |
| <b>CPU secondary communication port</b>          | <b>Position 5</b>  |
| N/A  | 0                  |
| Fiber optical Ethernet MM/ST                     | 1                  |
| Fiber optical Ethernet MM/LC                     | 2                  |
| Fiber optical Ethernet SM/FC                     | 3                  |
| RJ-45 Ethernet                                   | 4                  |
| Serial POE                                       | 5                  |
| Serial glass fiber                               | 7                  |
| RS-485/422                                       | 8                  |
| <b>Front panel communication port</b>            | <b>Position 6</b>  |
| RJ-45  | 1                  |
| RJ-45 remote HMI with 3m cabel                   | 2                  |
| <b>LCD size</b>                                  | <b>Position 7</b>  |
| N/A  | 0                  |
| 3.5  | 1                  |
| 5.7  | 2                  |
| <b>IEC61850 protocol (additional charge)</b>     | <b>Position 8</b>  |
| No   | 0                  |
| Yes  | 1                  |
| <b>Customization service (additional charge)</b> | <b>Position 9</b>  |
| No   | 0                  |
| Yes  | 1                  |
| <b>CyberProtect functionality</b>                | <b>Position 10</b> |

|   |                    |
|---|--------------------|
| No                                      | 1                  |
| Yes                                     | 2                  |
| <b>Secondary language</b>               | <b>Position 11</b> |
| None                                    | 0                  |
| HUN                                     | 1                  |
| GER                                     | 2                  |
| RUS                                     | 3                  |
| ITA(N/A)                                | 4                  |
| FRA                                     | 5                  |
| ROU                                     | 6                  |
| ESP                                     | 7                  |
| <b>Detailed config specific options</b> |                    |
| <b>Configuration version</b>            | <b>Position 0</b>  |
| Current version                         | C                  |
| <b>Type of Power Supply module</b>      | <b>Position 1</b>  |
| PS                                      | 1                  |
| PSTP (inc.2xTRIP)                       | 2                  |
| <b>I/O module in position B (42HP)</b>  | <b>Position 2</b>  |
| N/A                                     | 0                  |
| O8                                      | 1                  |
| O12                                     | 2                  |
| O15                                     | 4                  |
| O6R5                                    | 5                  |
| R4                                      | 6                  |
| R8+00                                   | 7                  |
| R8+80                                   | 8                  |
| R8+C0                                   | 9                  |
| R12+0000                                | 10                 |
| R12+4000                                | 11                 |
| R12+4400                                | 12                 |
| RTD                                     | 13                 |
| AIC                                     | 14                 |
| ATO                                     | 15                 |
| 4xTRIP                                  | 17                 |
| O9S+BNC                                 | 19                 |

|  |                   |
|--|-------------------|
| O9S+MM/ST                                    | 20                |
| <b>I/O module in position C (42HP - O12)</b> | <b>Position 3</b> |
| N/A  | 0                 |
| O8   | 1                 |
| O12  | 2                 |
| O15  | 4                 |
| O6R5   | 5                 |
| R4   | 6                 |
| R8+00  | 7                 |
| R8+80  | 8                 |
| R8+C0  | 9                 |
| R12+0000                                     | 10                |
| R12+4000                                     | 11                |
| R12+4400                                     | 12                |
| RTD  | 13                |
| AIC  | 14                |
| ATO  | 15                |
| 4xTRIP                                       | 17                |
| O9S+BNC                                      | 19                |
| O9S+MM/ST                                    | 20                |
| <b>I/O module in position D (42HP - R8)</b>  | <b>Position 4</b> |
| N/A  | 0                 |
| O8   | 1                 |
| O12  | 2                 |
| O15  | 4                 |
| O6R5   | 5                 |
| R4   | 6                 |
| R8+00  | 7                 |
| R8+80  | 8                 |
| R8+C0  | 9                 |
| R12+0000                                     | 10                |
| R12+4000                                     | 11                |
| R12+4400                                     | 12                |
| RTD  | 13                |
| AIC  | 14                |

|   |                   |
|---|-------------------|
| ATO   | 15                |
| 4xTRIP  | 17                |
| O9S+BNC                                       | 19                |
| O9S+MM/ST                                     | 20                |
| <b>I/O module in position E (42HP - TRIP)</b> | <b>Position 5</b> |
| N/A   | 0                 |
| O8  | 1                 |
| O12   | 2                 |
| O15   | 4                 |
| O6R5  | 5                 |
| R4  | 6                 |
| R8+00   | 7                 |
| R8+80   | 8                 |
| R8+C0   | 9                 |
| R12+0000                                      | 10                |
| R12+4000                                      | 11                |
| R12+4400                                      | 12                |
| RTD   | 13                |
| AIC   | 14                |
| ATO   | 15                |
| 4xTRIP  | 17                |
| O9S+BNC                                       | 19                |
| O9S+MM/ST                                     | 20                |
| <b>I/O module in position F (42HP)</b>        | <b>Position 6</b> |
| N/A   | 0                 |
| O8  | 1                 |
| O12   | 2                 |
| O15   | 4                 |
| O6R5  | 5                 |
| R4  | 6                 |
| R8+00   | 7                 |
| R8+80   | 8                 |
| R8+C0   | 9                 |
| R12+0000                                      | 10                |
| R12+4000                                      | 11                |

|                            |                    |
|----------------------------|--------------------|
| R12+4400                   | 12                 |
| RTD                        | 13                 |
| AIC                        | 14                 |
| ATO                        | 15                 |
| 4xTRIP                     | 17                 |
| O9S+BNC                    | 19                 |
| O9S+MM/ST                  | 20                 |
| <b>CT module primary</b>   | <b>Position 7</b>  |
| CT+5151                    | 1                  |
| CT+5153                    | 2                  |
| CT+5115                    | 3                  |
| <b>CT module secondary</b> | <b>Position 8</b>  |
| CT+5151                    | 1                  |
| CT+5153                    | 2                  |
| CT+5115                    | 3                  |
| <b>CT module tertiary</b>  | <b>Position 9</b>  |
| CT+5151                    | 1                  |
| CT+5153                    | 2                  |
| CT+5115                    | 3                  |
| <b>CT terminal type</b>    | <b>Position 10</b> |
| Conventional               | 0                  |
| Ring-lug                   | 1                  |
| <b>SW option</b>           | <b>Position 11</b> |
| N/A                        | 0                  |