

Product Configuration Options

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|--|---|---|---|---|---|---|---|---|---|--|---|----|----|----|----|----|----|----|-------------------|----|
| OrderCode: | IED-EP+/DTRV/E3-TR_F/E33014110010-B100002070017111000-4D | | | | | | | | | | | | | | | | | | | |
| Platform: IED-EP+ EuroProt+ platform | Type: DTRV Transformer & (generator) protection | | | | | | | | | Configuration: E3-TR_F 2 winding transformer differential protection with automatic voltage regulator in 84HP rack size. (Numbers of binary I/O in the standard configuration: 8BOut, 12BIn.) | | | | | | | | | | |
| Platform specific options | 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 | | | | | | | |
| Config specific options | Position | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | Value | E | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 | 0 | 1 | 7 | 1 | 1 | 1 | 0 | 0 | 0 |
| Checksum | 4D | | | | | | | | | | | | | | | | | | | |
| Detailed platform specific options | | | | | | | | | | | | | | | | | | | | |
| Platform version | | | | | | | | | | | | | | | | | | | Position 0 | |
| Current version | | | | | | | | | | | | | | | | | | | E | |
| Power Supply | | | | | | | | | | | | | | | | | | | Position 1 | |
| 24V | | | | | | | | | | | | | | | | | | | 0 | |
| 48V | | | | | | | | | | | | | | | | | | | 1 | |
| 60V | | | | | | | | | | | | | | | | | | | 2 | |
| 110V | | | | | | | | | | | | | | | | | | | 3 | |
| 220/230V | | | | | | | | | | | | | | | | | | | 4 | |
| I/O modules | | | | | | | | | | | | | | | | | | | Position 2 | |
| 24V | | | | | | | | | | | | | | | | | | | 0 | |
| 48V | | | | | | | | | | | | | | | | | | | 1 | |
| 60V | | | | | | | | | | | | | | | | | | | 2 | |
| 110V (125V) | | | | | | | | | | | | | | | | | | | 3 | |
| 220V | | | | | | | | | | | | | | | | | | | 4 | |
| 110VAC | | | | | | | | | | | | | | | | | | | 5 | |
| 230VAC | | | | | | | | | | | | | | | | | | | 6 | |
| Mounting methods | | | | | | | | | | | | | | | | | | | Position 3 | |
| Rack | | | | | | | | | | | | | | | | | | | 0 | |
| Flush mounting | | | | | | | | | | | | | | | | | | | 1 | |
| Wall mounting | | | | | | | | | | | | | | | | | | | 2 | |
| Semi-flush | | | | | | | | | | | | | | | | | | | 3 | |

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| IP54 rated mounting | 4 |
| Wall mounting with terminals | 5 |
| No mounting | 6 |
| Fold-down mounting | 7 |
| Fold-down mounting with terminals | 8 |
| CPU first communication port | Position 4 |
| 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 |
| 2xRJ-45 with PRP/HSR | 7 |
| CPU secondary communication port | Position 5 |
| 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 |
| Front panel communication port | Position 6 |
| RJ-45 | 1 |
| LCD size | Position 7 |
| N/A | 0 |
| 3.5 | 1 |
| 5.7 | 2 |
| IEC61850 protocol (additional charge) | Position 8 |
| No | 0 |
| Yes | 1 |
| Customization service (additional charge) | Position 9 |
| No | 0 |
| Yes | 1 |

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| CyberProtect functionality | Position 10 |
| No | 1 |
| Yes | 2 |
| Secondary language | Position 11 |
| None | 0 |
| HUN | 1 |
| GER | 2 |
| RUS | 3 |
| ITA(N/A) | 4 |
| FRA | 5 |
| ROU | 6 |
| ESP | 7 |
| Detailed config specific options | |
| Configuration version | Position 0 |
| Current version | B |
| Type of Power Supply module | Position 1 |
| PS | 1 |
| PSTP (inc.2xTRIP) | 2 |
| PS+1030 / PS+1060 | 3 |
| PSTP (2xTRIP, no TCS) | 4 |
| PS+/2161 | 5 |
| I/O module in position C (84HP) | Position 2 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| O15 | 4 |
| O6R5 | 5 |
| R4 | 6 |
| R8+00 | 7 |
| R8+80 | 8 |
| R8+C0 | 9 |
| R12+0000 | 10 |
| R12+4000 | 11 |
| R12+4400 | 12 |

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| RTD | 13 |
| AIC | 14 |
| ATO | 15 |
| 4xTRIP | 17 |
| O9S+BNC | 19 |
| O9S+MM/ST | 20 |
| I/O module in position D (84HP) | Position 3 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| 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 |
| I/O module in position E (84HP) | Position 4 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| O15 | 4 |
| O6R5 | 5 |
| R4 | 6 |
| R8+00 | 7 |

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| 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 |
| I/O module in position F (84HP) | Position 5 |
| N/A | 0 |
| I/O module in position G (84HP - O12) | Position 6 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| 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 |
| I/O module in position H (84HP) | Position 7 |
| N/A | 0 |

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|---|-------------------|
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| 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 |
| 4xTRIP (no TCS) | 18 |
| O9S+BNC | 19 |
| O9S+MM/ST | 20 |
| I/O module in position I (84HP - R8) | Position 8 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| 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 |

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| ATO | 15 |
| 4xTRIP | 17 |
| 4xTRIP (no TCS) | 18 |
| O9S+BNC | 19 |
| O9S+MM/ST | 20 |
| I/O module in position J (84HP) | Position 9 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| 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 |
| 4xTRIP (no TCS) | 18 |
| O9S+BNC | 19 |
| O9S+MM/ST | 20 |
| I/O module in position K (84HP) | Position 10 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| O15 | 4 |
| O6R5 | 5 |
| R4 | 6 |
| R8+00 | 7 |

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|---|--------------------|
| R8+80 | 8 |
| R8+C0 | 9 |
| R12+0000 | 10 |
| R12+4000 | 11 |
| R12+4400 | 12 |
| RTD | 13 |
| AIC | 14 |
| ATO | 15 |
| 4xTRIP | 17 |
| 4xTRIP (no TCS) | 18 |
| O9S+BNC | 19 |
| O9S+MM/ST | 20 |
| I/O module in position L (84HP - TRIP) | Position 11 |
| N/A | 0 |
| O8 | 1 |
| O12 | 2 |
| O12+2101 | 3 |
| 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 |
| 4xTRIP (no TCS) | 18 |
| O9S+BNC | 19 |
| O9S+MM/ST | 20 |
| CT module primary | Position 12 |
| CT+5151 | 1 |

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| CT+5153 | 2 |
| CT+5115 | 3 |
| CT module secondary | Position 13 |
| CT+5151 | 1 |
| CT+5153 | 2 |
| CT+5115 | 3 |
| No. of transformer branches | Position 14 |
| 2 | 1 |
| 3 | 2 |
| 4 | 3 |
| CT terminal type | Position 15 |
| Conventional | 0 |
| Ring-lug | 1 |
| VT terminal type | Position 16 |
| Conventional | 0 |
| SW option | Position 17 |
| N/A | 0 |