Алматы (7273)495-231 Ангарск (3955)42-70-56 Архангельск (8182)63-90-72 Астрахань (8512)99-46-04 Барнаул (3852)73-04-42 Белгород (4735)40-23-142 Благовещенск (4162)35-142-07 Брянск (4232)59-03-52 Владивосток (423)249-42-31 Владимир (4935) 49-43-18 Волгоград (844)278-03-42 Волоград (8172)26-41-59 Воронеж (473)204-51-73 Екатеринбург (343)384-55-142 Ижевск (3412)26-03-58 Иваново (4932)77-34-06 Иркутск (395)279-98-46 Казань (843)206-01-42 Калининград (4012)72-03-81 Калуга (4242)92-23-67 Кемерово (3842)65-04-62 Киров (8332)68-02-04 Кострома (4962)3-41-49 Кострома (4942)77-07-42 Краснодар (861)203-40-90 Красноярск (391)204-63-61 Курск (4712)77-13-04 Курган (4352)50-90-47 Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (4219)55-03-13 Москва (495)268-04-70 Мурманск (8152)59-142-93 Набережные Челны (8552)20-53-41 Нижний Новгород (831)429-08-12 Новокузнецк (3843)20-46-81 Ноябрьск (3496)41-32-12 Новосибирск (383)357-86-73 Ноябрьск (3496)41-32-12 Омск (3812)21-46-40 Орен (4262)44-53-42 Орен (4262)44-53-42 Орен (4812)35-31-16 Петрозаводск (8142)55-98-37 Псков (8112)59-10-37 Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-142
Самара (846)206-03-16
Саранск (8342)35-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)35-31-93
Симферополь (3652)67-13-56
Смоленск (4212)29-41-42
Сочи (862)242-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)42-95-17
Сургут (3462)77-98-42
Тамбов (4752)50-40-97

Тверь (4352)63-31-42
Тольяти (8435)63-91-07
Томск (3835)98-41-53
Тула (4272)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8435)24-23-59
Уфа (347)359-42-12
Хабаровск (4212)92-98-04
Чебоксары (8435)42-53-07
Челябинск (421)202-03-61
Череповец (8202)49-02-142
Чита (3035)38-34-83
Якутск (4112)23-90-97
Ярославль (4422)69-52-93

Казахстан (772)734-952-31

https://g-m.nt-rt.ru || gfm@nt-rt.ru

Клеммные платы серии ТВ-D5008-ABB. Технические характеристики

Россия (495)268-04-70

Termination Board general characteristics:

| Number of positions | Features | | | | | |
|---------------------|---|--|--|--|--|--|
| 8 | Power Supply voltage redundancy; HART multiplexing; Abnormal supply voltage signaling; Cumulative module fault signaling. | | | | | |

Supported ABB S800 I/O Cards:

| I/O Card Type | TU Type | I/O Card Model | Chan- nels per I/O Card | TUs per board | Chan- nels per board | Supported GM Modules(*) |
|------------------|---------|-------------------|----------------------------------|---------------------|-------------------------------|--|
| Analog In | TU812 | Al810, Al845 | 8 | 1 | 8 | D5011S, D5014S, D5072S, D6011S, D6014S, D6072S |
| | | | | 2 | 16 | D5011D, D5014D, D5072D, D6011D, D6014D, D6072D |
| | TU854 | TU854 AI880A | 8 | 1 | 8 | D5011S, D5014S, D5072S, D6011S, D6014S, D6072S |
| | | | | 2 | 16 | D5011D, D5014D, D5072D, D6011D, D6014D, D6072D |

^(*) Do not mix D5000 Intrinsically Safe barriers with D5000 Relay modules or D6000 isolators on same termination board.

Features:

- S800 Al Cards board interfaces.
- Termination Board for current signals: (0) 4 20 mA.
- 8 positions Termination Board for up to 16 channels.
- Lower cables installation and maintenance costs.
- Power supplies fault monitoring.
- Spare fuse provided.
- Mounting hardware provided for:

Wall mounting, M4 thread screw; Wall mounting, M4 self tapping screw; Single Din Rail mounting kit.

Ordering Information:

Model: TB-D5008-ABB-001

Technical Data:

Supply:

24 Vdc nom (20 to 30 Vdc) reverse polarity protected, double terminal blocks for redundant power supply, with OR diodes to mix supply voltages.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

2 LEDs indication: green color, one for supply 1 and one for supply 2.
Protection fuse: 2 A time lag (spare fuse provided on Termination Board).
Fault detection:

- Preventive abnormal supply voltage: supply 1 or supply 2 is < 18 Vdc (Under Voltage, UV) or > 30 Vdc (Over Voltage, OV).
- 2) Critical abnormal supply voltages or cumulative fault: both supplies are in under (< 18 Vdc) or over (> 30 Vdc) voltage condition OR cumulative fault indication (about presence of short or open field circuit for any DO channel).

LED fault signaling (for both case 1 and 2): 2 red LEDs (UV and OV of supply 1); 2 red LEDs (UV and OV of supply 2); a cumulative fault red LED.

Relay fault signaling (one for each case 1 or 2): a voltage free NE SPDT - 1 Form C relay contacts (de-energized in fault condition), with the following characteristics:

Contact material: AgCdO.

Contact rating: 2 A 36 Vac 72 VA, 2 A 48 Vdc 80 W (resistive load).

Mechanical / Electrical life: 30 * 10⁶ / 1 * 10⁵ operation, typical.

Coil status LED indication: yellow color, turn on when coil is energized.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

I/O card interface:

Connection: two 25 poles SUB-D male connectors (require female mating connectors). **HART Multiplexing:**

Connection: 34 poles male connector (requires female mating connector).

Environmental conditions:

Operating: temperature limits – 40 to + 70 °C,

relative humidity max 90 % non condensing, up to 35 °C.

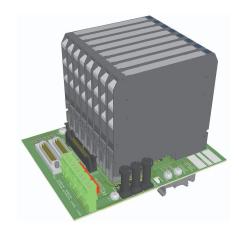
Storage: temperature limits – 45 to + 80 °C.

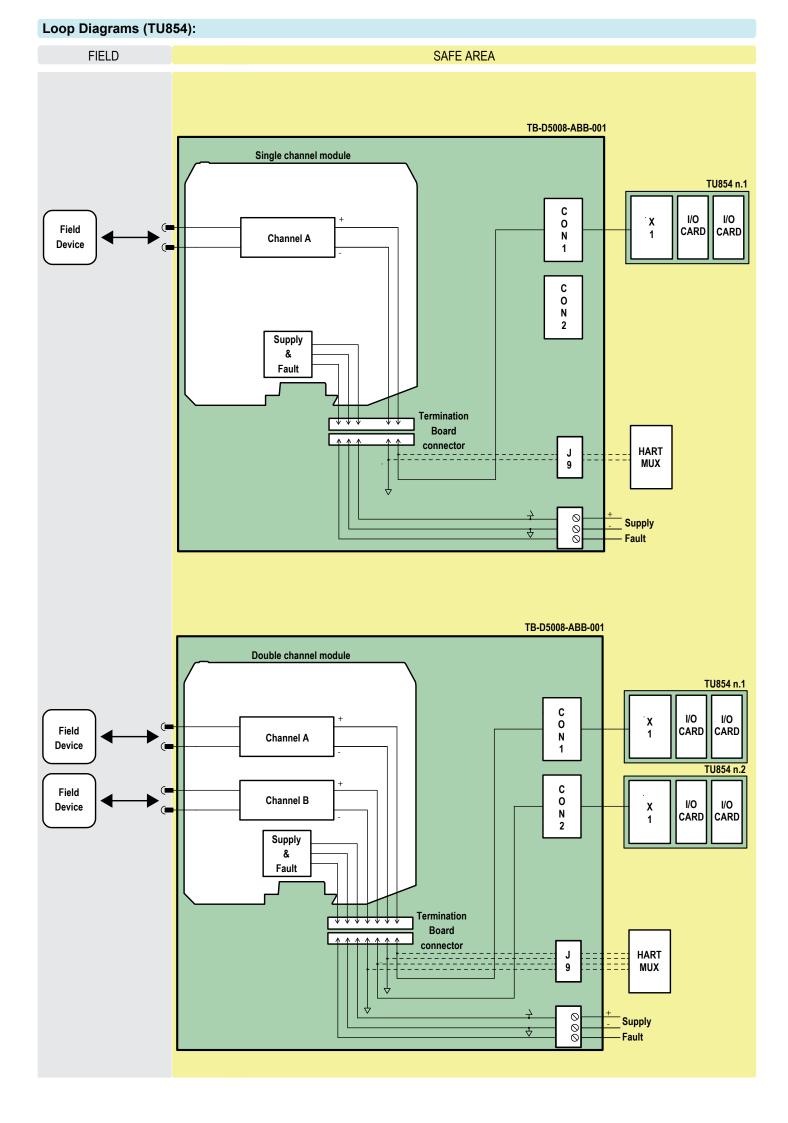
Mounting:

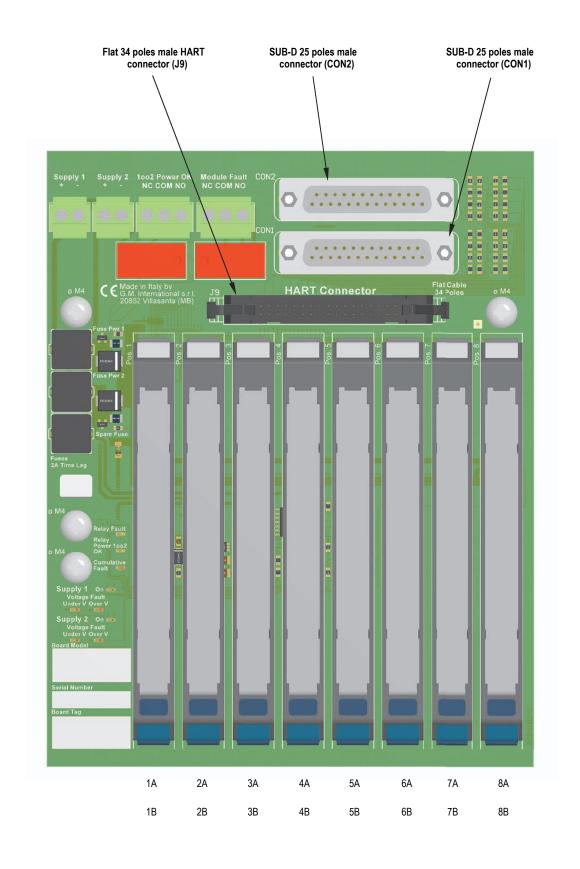
Hardware included for mounting on wall and single DIN rail. **Weight:** about 220 g (excluding modules and mounting options).

Location: Safe Area / Ordinary locations.

Dimensions: Width 147 mm, Depth 176 mm, Height 125 mm.







Connections table to Interface Cards:

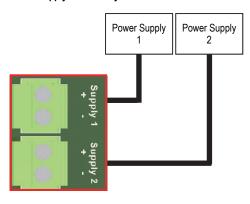
| MODULE POSITION | MODULE CHANNEL NUMBER | INTERFACE CARD(S) CHANNEL NUMBER | MODULE CHANNEL POSITIVE (+) CONNECTION | MODULE CHANNEL NEGATIVE (-) CONNECTION | HART MULTIPLEXING CONNECTOR POSITIVE (+) PIN NUMBER | HART MULTIPLEXING CONNECTOR NEGATIVE (-) PIN NUMBER | NOTES |
|--------------------|-----------------------------|---|---|---|---|---|---|
| 4 | 1A | 1 on TU n.1 | 16 (CON1) | Gnd | 1 (J9) | 2 (J9) | CON1, CON2: |
| ı | 1B | 1 on TU n.2 | 16 (CON2) | Gnd | 17 (J9) | 18 (J9) | Pole 13 is not connected. |
| 2 | 2A | 2 on TU n.1 | 17 (CON1) | Gnd | 3 (J9) | 4 (J9) | • +24 Vdc availa- |
| 2 | 2B | 2 on TU n.2 | 17 (CON2) | Gnd | 19 J9) | 20 (J9) | ble on poles: |
| 3 | 3A | 3 on TU n.1 | 18 (CON1) | Gnd | 5 (J9) | 6 (J9) | 1, 14, 11, 24. |
| 3 | 3B | 3 on TU n.2 | 18 (CON2) | Gnd | 21 (J9) | 22 (J9) | Ground available on poles: 2, 15, 12, 25. J9: Poles 33, 34 are |
| 4 | 4A | 4 on TU n.1 | 19 (CON1) | Gnd | 7 (J9) | 8 (J9) | |
| 4 | 4B | 4 on TU n.2 | 19 (CON2) | Gnd | 23 (J9) | 24 (J9) | |
| 5 | 5A | 5 on TU n.1 | 20 (CON1) | Gnd | 9 (J9) | 10 (J9) | |
| 5 | 5B | 5 on TU n.2 | 20 (CON2) | Gnd | 25 (J9) | 26 (J9) | not connected. |
| 6 | 6A | 6 on TU n.1 | 21 (CON1) | Gnd | 11 (J9) | 12 (J9) | |
| O | 6B | 6 on TU n.2 | 21 (CON2) | Gnd | 27 (J9) | 28 (J9) | |
| 7 | 7A | 7 on TU n.1 | 22 (CON1) | Gnd | 13 (J9) | 14 (J9) | |
| / | 7B | 7 on TU n.2 | 22 (CON2) | Gnd | 29 (J9) | 30 (J9) | |
| 0 | 8A | 8 on TU n.1 | 23 (CON1) | Gnd | 15 (J9) | 16 (J9) | 1 |
| 8 | 8B | 8 on TU n.2 | 23 (CON2) | Gnd | 31 (J9) | 32 (J9) |] |

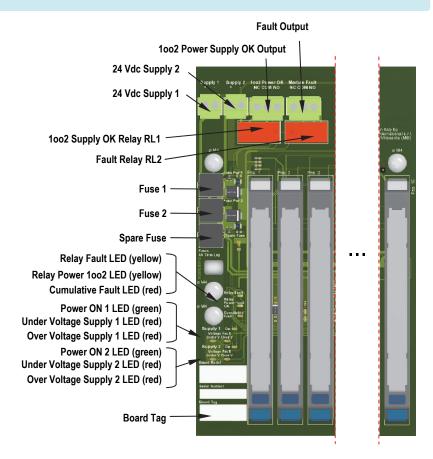
Termination Board description:

Note:

Relay contact is defined Normally Closed (NC) or Normally Open (NO) when RL1 or RL2 relays are de-energized (that is, coil status LED is turned off). Relay is de-energized in fault status.

Power Supply redundancy:





LED Signaling:

Meaning of LEDs on termination boards:

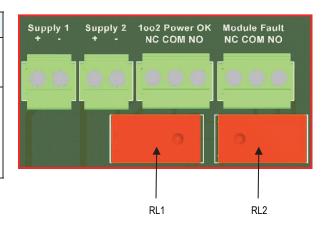
| TAG | LED COLOR | MEANING |
|------------------------|-----------|---|
| Supply 1 On | GREEN | The LED is on when the Supply 1 is present, regardless of its voltage |
| Supply 1 Under V | RED | The LED is on when the Supply 1 is under-voltage (<18 V) |
| Supply 1 Over V | RED | The LED is on when the Supply 1 is over-voltage (>30 V) |
| Supply 2 On | GREEN | The LED is on when the Supply 2 is present, regardless of its voltage |
| Supply 2 Under V | RED | The LED is on when the Supply 2 is under-voltage (<18 V) |
| Supply 2 Over V | RED | The LED is on when the Supply 2 is over-voltage (>30 V) |
| Cumulative Fault | RED | The LED is on when at least one module/barrier reported a fault |
| Relay Power 1002 OK | YELLOW | The LED is on when both supply voltages are within the regular range (>18 V and <30 V) |
| Relay Fault | YELLOW | The LED is on when the following two conditions hold: 1. at least one voltage supply is within the regular range (>18 V and <30 V) 2. no module/barrier fault is reported |



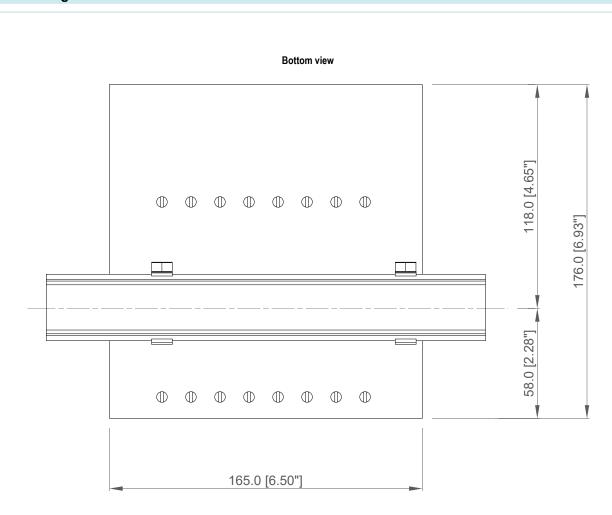
Relay Activation Conditions:

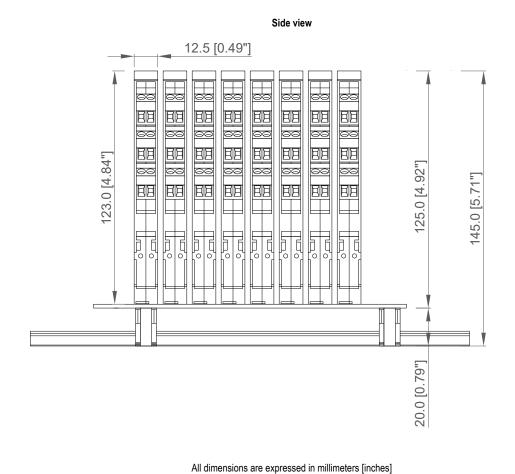
The two relays are activated according to the following rules:

| TAG | ACTIVATION | | | | | |
|------------------------|---|--|--|--|--|--|
| 1002 Power OK (RL1) | The relay is energized when both supply voltages are within the regular range (>18 V and <30 V), i.e. when "Relay 10o2 Power OK" yellow LED is on. | | | | | |
| Module Fault (RL2) | The relay is energized when the following two conditions hold: 1. at least one voltage supply is within the regular range (>18 V and <30 V) 2. no module/barrier fault is reported Therefore, the relay is energized when the "Fault" yellow LED is on. | | | | | |



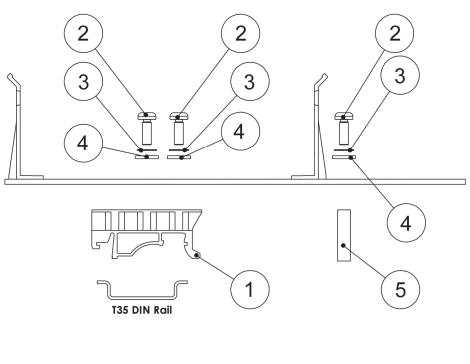
DIN Rail mounting overall dimensions:

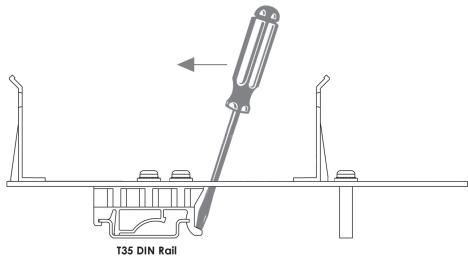




DIN Rail mounting features:

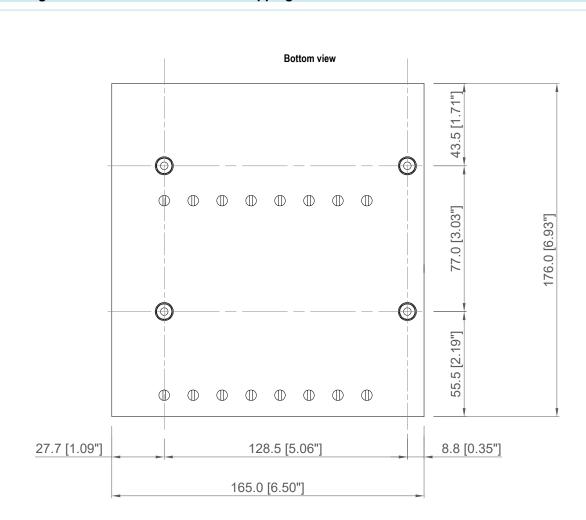
Mounting features kit TB-OPT-001



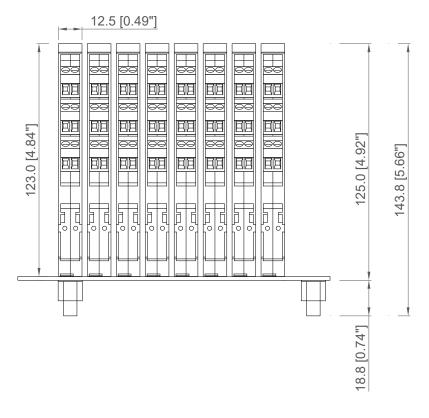


| Ref. Nr | Q.ty | Description | Material |
|---------|------|-------------------------------|-----------------|
| 1 | 2 | T35 Din Rail Adapter | PA |
| 2 | 6 | 3.5 x 9.5 Self tapping screw | Stainless Steel |
| 3 | 6 | M3 External Tooth loch Washer | Stainless Steel |
| 4 | 6 | M3 Washer | Stainless Steel |
| 5 | 2 | 6 c 20 Spacer | PA |

Wall mounting overall dimensions for M4 self tapping screw:



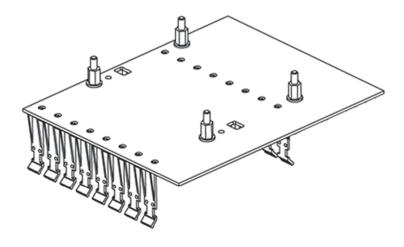
Side view

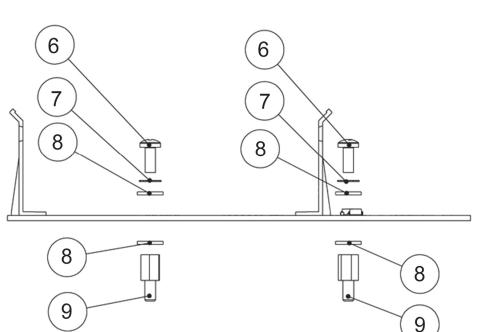


All dimensions are expressed in millimeters [inches]

Wall mounting features for M4 self tapping screw:

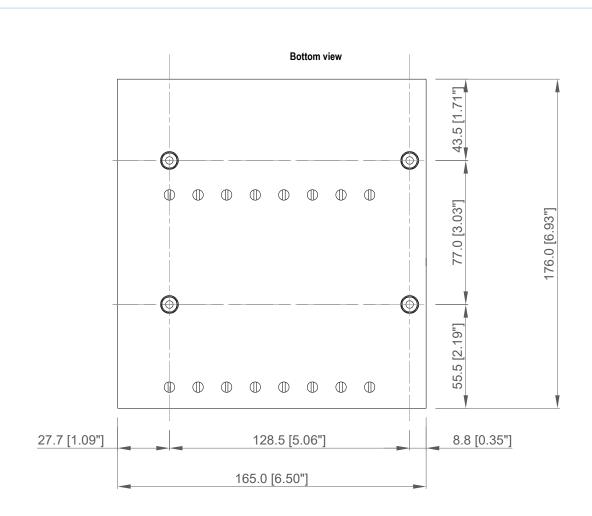
Mounting features kit TB-OPT-001

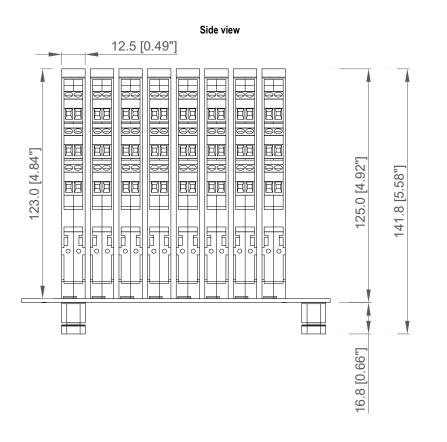




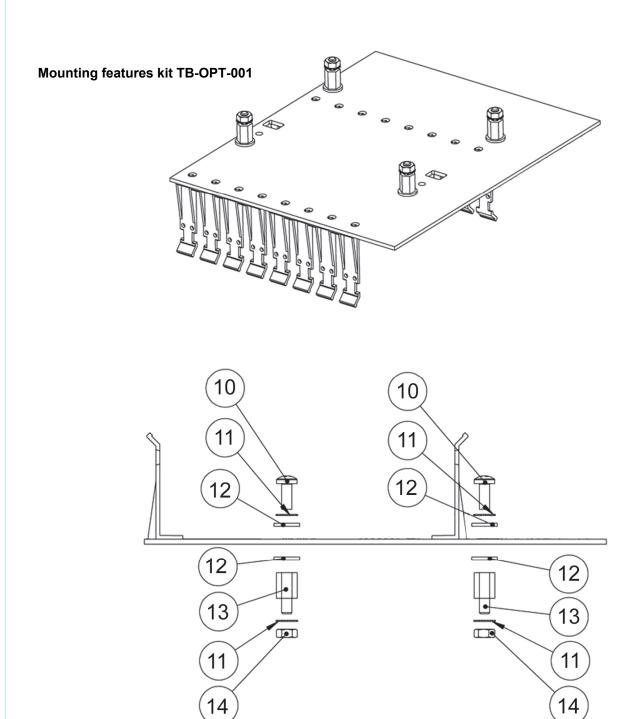
| Ref. Nr | Q.ty | Description | Material |
|---------|------|-------------------------------|-------------------|
| 6 | 4 | M4 x 8 Screw | Stainless Steel |
| 7 | 4 | M4 External Tooth lock Washer | Stainless Steel |
| 8 | 8 | M4 Washer | Stainless Steel |
| 9 | 4 | Self Tapping Spacer | NI - Plated Brass |

Wall mounting overall dimensions for M4 thread screw:





All dimensions are expressed in millimeters [inches]



| Ref. Nr | Q.ty | Description | Material |
|---------|------|-------------------------------|-------------------|
| 10 | 4 | M4 x 8 Screw | Stainless Steel |
| 11 | 8 | M4 External Tooth lock Washer | Stainless Steel |
| 12 | 8 | M4 Washer | Stainless Steel |
| 13 | 4 | Threaded Spacer | NI - Plated Brass |
| 14 | 4 | M4 Nut | Stainless Steel |





Characteristics:

General description:

This Termination Board (TB) provides direct connection between the I/O Card of the system and D5000 / D6000 Series modules.

The Intrinsically Safe protection and signal isolation between Safe and Hazardous Area, is provided by D5000 Series Associated Apparatus. The 24 Vdc Power Supply of the TB is connected to two plug-in terminal blocks, for a redundant power supply. The power supply for modules is given by TB power bus.

Termination Board general characteristics:

| Number of positions | Features | | | | | |
|---------------------|---|--|--|--|--|--|
| 8 | Power Supply voltage redundancy; HART multiplexing; Abnormal supply voltage signaling; Cumulative module fault signaling. | | | | | |

Supported ABB S800 I/O Cards:

| I/O Card Type | TU Type | I/O Card Model | Channels per I/O Card | TUs Per board | Channels per board | Supported GM Modules* |
|------------------|------------|-------------------|-----------------------------|---------------------|-----------------------|--------------------------|
| | TU812 | AO810, AO845 | 8 | 1 | 8 | D5020S, D6020S |
| Analog Out | | | | 2 | 16 | D5020D, D6020D |
| Out | | A 0 0 4 E | 8 | 1 | 8 | D5020S, D6020S |
| | 10002 | TU852 AO845 | | 2 | 16 | D5020D, D6020D |

*Do not mix D5000 Intrinsically Safe barriers with D5000 Relay modules or D6000 isolators on same termination board.

Termination Board 8 positions for ABB S800 (TU812, TU852) with Analog Output card AO810/AO845

Technical Data:

Supply:

 $24\ \text{Vdc}$ nom (20 to 30 Vdc) reverse polarity protected, double terminal blocks for redundant power supply, with OR diodes to mix supply voltages.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to $2.5 \ \text{mm}^2$.

2 LEDs indication: green color, one for supply 1 and one for supply 2. Protection fuse: 2 A time lag (spare fuse provided on Termination Board).
Fault detection:

- Preventive abnormal supply voltage: supply 1 or supply 2 is < 18 Vdc (Under Voltage, UV) or > 30 Vdc (Over Voltage, OV).
- 2) Critical abnormal supply voltages or cumulative fault: both supplies are in under (< 18 Vdc) or over (> 30 Vdc) voltage condition OR cumulative fault indication (about presence of short or open field circuit for any DO channel).

LED fault signaling (for both case 1 and 2): 2 red LEDs (UV and OV of supply 1); 2 red LEDs (UV and OV of supply 2); a cumulative fault red LED.

Relay fault signaling (one for each case 1 or 2): a voltage free NE SPDT - 1 Form C relay contacts (de-energized in fault condition), with the following characteristics:

Contact material: AgCdO.

Contact rating: 2 A 36 Vac 72 VA, 2 A 48 Vdc 80 W (resistive load).

Mechanical / Electrical life: 30 * 106 / 1 * 105 operation, typical.

Coil status LED indication: yellow color, turn on when coil is energized.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

I/O card interface:

Connection: two 25 poles SUB-D male connectors (require female mating connectors). **HART Multiplexing:**

Connection: 34 poles male connector (requires female mating connector).

Environmental conditions:

Operating: temperature limits – 40 to + 70 °C, relative humidity max 90 % non condensing, up to 35 °C.

Storage: temperature limits - 45 to + 80 °C.

Mounting:

Hardware included for mounting on wall and single DIN rail.

Weight: about 220 g (excluding modules and mounting options).

Location: Safe Area / Ordinary locations.

Dimensions: Width 147 mm, Depth 176 mm, Height 125 mm.

Features:

- S800 AO Cards board interfaces.
- 8 positions Termination Board for up to 16 channels.
- Lower cables installation and maintenance costs.
- Power supplies fault monitoring.
- Spare fuse provided.
- Mounting hardware provided for:

Wall mounting, M4 thread screw;

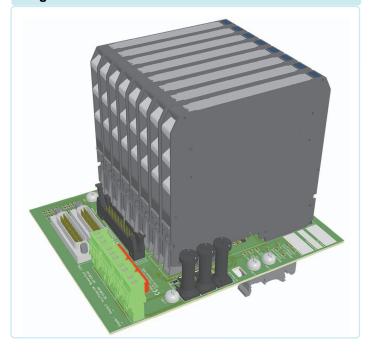
Wall mounting, M4 self tapping screw;

Single Din Rail mounting kit.

Ordering Information:

Model: TB-D5008-ABB-002

Image:







Characteristics:

General description:

This Termination Board (TB) provides direct connection between the I/O Card of the system and D5000 / D6000 Series modules.

The Intrinsically Safe protection and signal isolation between Safe and Hazardous Area, is provided by D5000 Series Associated Apparatus. The 24 Vdc Power Supply of the TB is connected to two plug-in terminal blocks, for a redundant power supply.

The power supply for modules is given by TB power bus.

Termination Board general characteristics:

| Number of positions | Features |
|---------------------|---|
| 8 | 1) Power Supply voltage redundancy; 2) HART multiplexing; 3) Abnormal supply voltage signaling; 4) Cumulative module fault signaling; 5) TB Voltage Output signals. |

Supported ABB S800 I/O Cards:

| I/O Card Type | TU Type | I/O Card Model | Channels per I/O Card | TUs Per board | Channels per board | Supported GM Modules(*)(**) |
|------------------|------------|-------------------|-----------------------------|---------------------|-----------------------|--|
| Analog In | TI 1912 | TU812 Al810 | 8 | 1 | 8 | D5011S, D5014S, D5072S, D6011S, D6014S, D6072S |
| | 10812 | | | 2 | 16 | D5011D, D5014D, D5072D, D6011D, D6014D, D6072D |

^(*) Do not mix D5000 Intrinsically Safe barriers with D5000 Relay modules or D6000 isolators on same termination board.

Termination Board 8 positions for ABB S800 (TU812) with Analog Input card Al810 (voltage signals)

Technical Data:

Supply:

 $24\ \text{Vdc}$ nom (20 to 30 Vdc) reverse polarity protected, double terminal blocks for redundant power supply, with OR diodes to mix supply voltages.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

2 LEDs indication: green color, one for supply 1 and one for supply 2.
Protection fuse: 2 A time lag (spare fuse provided on Termination Board).
Fault detection:

- Preventive abnormal supply voltage: supply 1 or supply 2 is < 18 Vdc (Under Voltage, UV) or > 30 Vdc (Over Voltage, OV).
- 2) Critical abnormal supply voltages or cumulative fault: both supplies are in under (< 18 Vdc) or over (> 30 Vdc) voltage condition OR cumulative fault indication (about presence of short or open field circuit for any DO channel).

LED fault signaling (for both case 1 and 2): 2 red LEDs (UV and OV of supply 1); 2 red LEDs (UV and OV of supply 2); a cumulative fault red LED.

Relay fault signaling (one for each case 1 or 2): a voltage free NE SPDT - 1 Form C relay contacts (de-energized in fault condition), with the following characteristics:

Contact material: AgCdO.

Contact rating: 2 A 36 Vac 72 VA, 2 A 48 Vdc 80 W (resistive load).

Mechanical / Electrical life: 30 * 106 / 1 * 105 operation, typical.

Coil status LED indication: yellow color, turn on when coil is energized.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

I/O card interface:

Connection: two 25 poles SUB-D male connectors (require female mating connectors). **HART Multiplexing:**

Connection: 34 poles male connector (requires female mating connector).

Environmental conditions:

Operating: temperature limits – 40 to + 70 °C, relative humidity max 90 % non condensing, up to 35 °C.

Storage: temperature limits - 45 to + 80 °C.

Mounting:

Hardware included for mounting on wall and single DIN rail. **Weight:** about 220 g (excluding modules and mounting options).

Location: Safe Area / Ordinary locations.

Dimensions: Width 147 mm, Depth 176 mm, Height 125 mm.

Features:

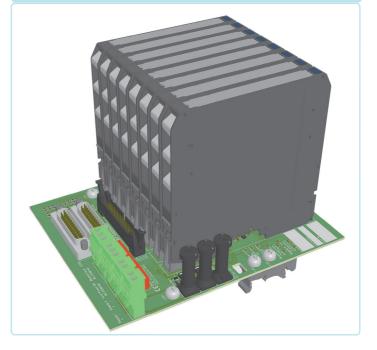
- S800 Al Cards board interfaces.
- Termination Board for voltage signals: (0) 2 10 V.
- 8 positions Termination Board for up to 16 channels.
- Lower cables installation and maintenance costs.
- Power supplies fault monitoring.
- Spare fuse provided.
- Mounting hardware provided for:

Wall mounting, M4 thread screw; Wall mounting, M4 self tapping screw; Single Din Rail mounting kit.

Ordering Information:

Model: TB-D5008-ABB-003

Image:



^(**) All modules must be configured as current source output.





Characteristics:

General description:

This Termination Board (TB) provides direct connection between the I/O Card of the system and D5000 / D6000 Series modules.

The Intrinsically Safe protection and signal isolation between Safe and Hazardous Area, is provided by D5000 Series Associated Apparatus. The 24 Vdc Power Supply of the TB is connected to two plug-in terminal blocks, for a redundant power supply.

The power supply for modules is given by TB power bus.

Termination Board general characteristics:

| Number of positions | Features | | | | |
|---------------------|---|--|--|--|--|
| 8 | 1) Power Supply voltage redundancy; 2) HART multiplexing; 3) Abnormal supply voltage signaling; 4) Cumulative module fault signaling; 5) TB Voltage Output signals. | | | | |

Supported ABB S800 I/O Cards:

| I/O Card Type | TU Type | I/O Card Model | Channels per I/O Card | TUs Per board | Channels per board | Supported GM Modules(*) |
|------------------|------------|-------------------|-----------------------------|---------------------|-----------------------|--|
| Analog In | TU812 | A1845 | 8 | 1 | 8 | D5011S, D5014S, D5072S, D6011S, D6014S, D6072S |
| | | | | 2 | 16 | D5011D, D5014D, D5072D, D6011D, D6014D, D6072D |

^(*) Do not mix D5000 Intrinsically Safe barriers with D5000 Relay modules or D6000 isolators on same termination board.

Features:

- S800 AI Cards board interfaces.
- Termination Board for voltage signals: (0) 1 5 V.
- 8 positions Termination Board for up to 16 channels.
- Lower cables installation and maintenance costs.
- · Power supplies fault monitoring.
- Spare fuse provided.
- Mounting hardware provided for:

Wall mounting, M4 thread screw; Wall mounting, M4 self tapping screw;

Single Din Rail mounting kit.

Ordering Information:

Model: TB-D5008-ABB-004

Termination Board 8 positions for ABB S800 (TU812) with Analog Input card Al845 (voltage signals)

Technical Data:

Supply:

 $24\ \text{Vdc}$ nom (20 to 30 Vdc) reverse polarity protected, double terminal blocks for redundant power supply, with OR diodes to mix supply voltages.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

2 LEDs indication: green color, one for supply 1 and one for supply 2.
Protection fuse: 2 A time lag (spare fuse provided on Termination Board).
Fault detection:

- Preventive abnormal supply voltage: supply 1 or supply 2 is < 18 Vdc (Under Voltage, UV) or > 30 Vdc (Over Voltage, OV).
- 2) Critical abnormal supply voltages or cumulative fault: both supplies are in under (< 18 Vdc) or over (> 30 Vdc) voltage condition OR cumulative fault indication (about presence of short or open field circuit for any DO channel).

LED fault signaling (for both case 1 and 2): 2 red LEDs (UV and OV of supply 1); 2 red LEDs (UV and OV of supply 2); a cumulative fault red LED.

Relay fault signaling (one for each case 1 or 2): a voltage free NE SPDT - 1 Form C relay contacts (de-energized in fault condition), with the following characteristics:

Contact material: AgCdO.

Contact rating: 2 A 36 Vac 72 VA, 2 A 48 Vdc 80 W (resistive load). Mechanical / Electrical life: 30 * 106 / 1 * 105 operation, typical. Coil status LED indication: yellow color, turn on when coil is energized.

Connection: by polarized plug-in disconnect screw terminal blocks to accommodate terminations up to 2.5 mm².

I/O card interface:

Connection: two 25 poles SUB-D male connectors (require female mating connectors). **HART Multiplexing:**

Connection: 34 poles male connector (requires female mating connector).

Environmental conditions:

Operating: temperature limits – 40 to + 70 °C, relative humidity max 90 % non condensing, up to 35 °C.

Storage: temperature limits - 45 to + 80 °C.

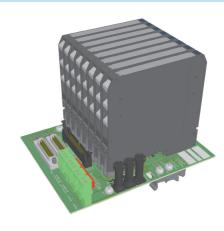
Mounting:

Hardware included for mounting on wall and single DIN rail. **Weight:** about 220 g (excluding modules and mounting options).

Location: Safe Area / Ordinary locations.

Dimensions: Width 147 mm, Depth 176 mm, Height 125 mm.

Image:



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