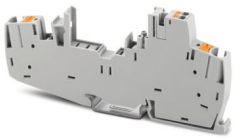
PTCB BE PT 6 - Base element

1567576

https://www.phoenixcontact.com/us/products/1567576

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Base element, mounting type: DIN rail: TH 35 - 7.5 mm, rated current: 31 A



Your advantages

- More space in control cabinets thanks to only 8 mm overall width
- Simple application setup due to bridging option to CLIPLINE complete terminal block system
- Transparency regarding the utilization and status of the system thanks to integrated connections for individual or collective signals
- Easy commissioning and maintenance thanks to pre-installable wiring that remains untouched when replacing the connector

Commercial data

Item number	1567576
Packing unit	1 pc
Sales key	CL10
Weight per piece (excluding packing)	40 g
Customs tariff number	85366990
Country of origin	TR

Technical data

Notes

General

Note	The base element does not contain any electronic circuits.

Product properties

Product type	Base element
Mechanical service life	25 insertion cycles

Insulation characteristics

Overvoltage category	II (250 V AC / IEC 60934)
	III (UL 1077, UL 1059)
	III (80 V DC / IEC 60934)
Pollution degree	2 (250 V AC / IEC 60934)
	3 (UL 1077, UL 1059)

Electrical properties

General

Rated voltage	240 V AC (IEC 60934)
	277 V AC (UL 1077)
	277 V AC (UL 1059)
	56 V DC (IEC 60934)
	56 V DC (UL 1077)
	56 V DC (UL 1059)
Rated insulation voltage U_i	250 V AC (IEC 60934)
	80 V DC (IEC 60934)
	277 V AC (UL 1077)
	277 V AC (UL 1059)
Rated current I_N	31 A (UL 1059, without device circuit breaker)
	16 A (Main contacts 1-2, UL 1077 and IEC 60934)
	1 A (Auxiliary contacts 3-4, without device circuit breaker)
Rated surge voltage	2.5 kV (IEC 60934, reinforced insulation between load and auxiliary circuit)
Insulation resistance R_{iso}	> 100 MΩ (500 V DC)
Dielectric strength	3000 V AC (between load circuit 1-2 and auxiliary circuit 3-4)
	1554 V AC (between open load contacts 1-2, auxiliary contacts 3-4)

Indicator/remote signaling

Connection name	Connection 3 / 4

Connection data

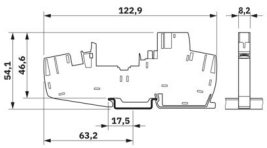
Connection 1 / 2

Connection method	Push-in connection
Stripping length	12 mm
Conductor cross-section flexible	0.5 mm² ... 10 mm²
Conductor cross-section rigid	0.5 mm² ... 10 mm²
	1 mm² ... 10 mm² (direct plug-in)
Conductor cross-section AWG	20 ... 8
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.5 mm² ... 6 mm²
	1 mm² ... 6 mm² (direct plug-in)
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.5 mm² ... 6 mm²
	1 mm² ... 6 mm² (direct plug-in)

Connection 3 / 4

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross-section flexible	0.14 mm² ... 1.5 mm²
Conductor cross-section rigid	0.14 mm² ... 1.5 mm²
Conductor cross-section AWG	26 ... 16
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.14 mm² ... 1 mm²
Conductor cross-section, flexible, with ferrule, without plastic sleeve	0.14 mm² ... 1.5 mm²

Dimensions

Dimensional drawing	
Width	8.2 mm
Height	122.9 mm
Depth	54.1 mm
Complete module width	8.2 mm
Complete module height	122.9 mm
Complete module depth	85.2 mm

Material specifications

Color	gray (RAL 7042)
Material	PA
Flammability rating according to UL 94	V-0
Insulating material group	I

Mechanical properties

Mechanical data

Open side panel	No

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-30 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (250 V AC / IEC 60934)
Humidity test	96 h, 95 % RH, 40 °C
Shock (operation)	30g (IEC 60068-2-27, Test Ea)
	Category 1, Class B (DIN EN 61373)
Vibration (operation)	10 Hz ... 150 Hz, 20 cycles (IEC 60068-2-6, Test Fc)
	10 Hz ... 75 Hz (Amplitude ±0.35 mm; in accordance with IEC 60068-2-6, Test Fc)
	75 Hz ... 150 Hz (8g)
	Category 1, Class B (DIN EN 61373)

Approvals

UL approval

Identification	UL Recognized UL 1059
	UL Recognized UL 1077

CSA, Canada

Identification	CSA C22.2 No. 235-04

Standards and regulations

Standards/specifications	IEC 60934
Note	2019
Standards/specifications	UL 1077
Note	Additional protective devices for use in electrical equipment
Standards/specifications	UL 1059
Note	Terminal blocks
Standards/specifications	CSA C22.2 No. 235-04
Note	2017
Standards/specifications	IEC 60068-2-6
Note	Environmental influences – Vibrations (sinusoidal)
Standards/specifications	EN 60068-2-27
Note	Environmental influences – Shocks
Standards/specifications	EN 60068-2-78
Note	Environmental influences – Moisture and heat, constant
Standards/specifications	DIN EN 50274
Note	Touch protection and back-of-hand safety
Standards/specifications	IEC 60529
Note	2019
Standards/specifications	EN 61373

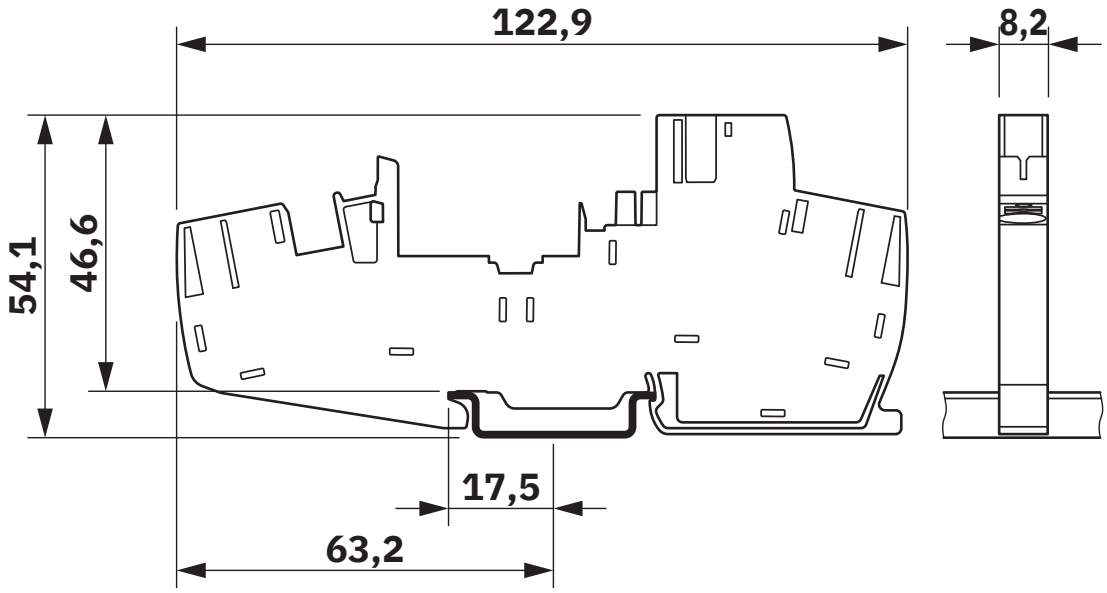
Note	Railway applications - Rolling stock equipment - Shock and vibration tests
Standards/specifications	EN 45545-2
Note	Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behavior of materials and components

Mounting

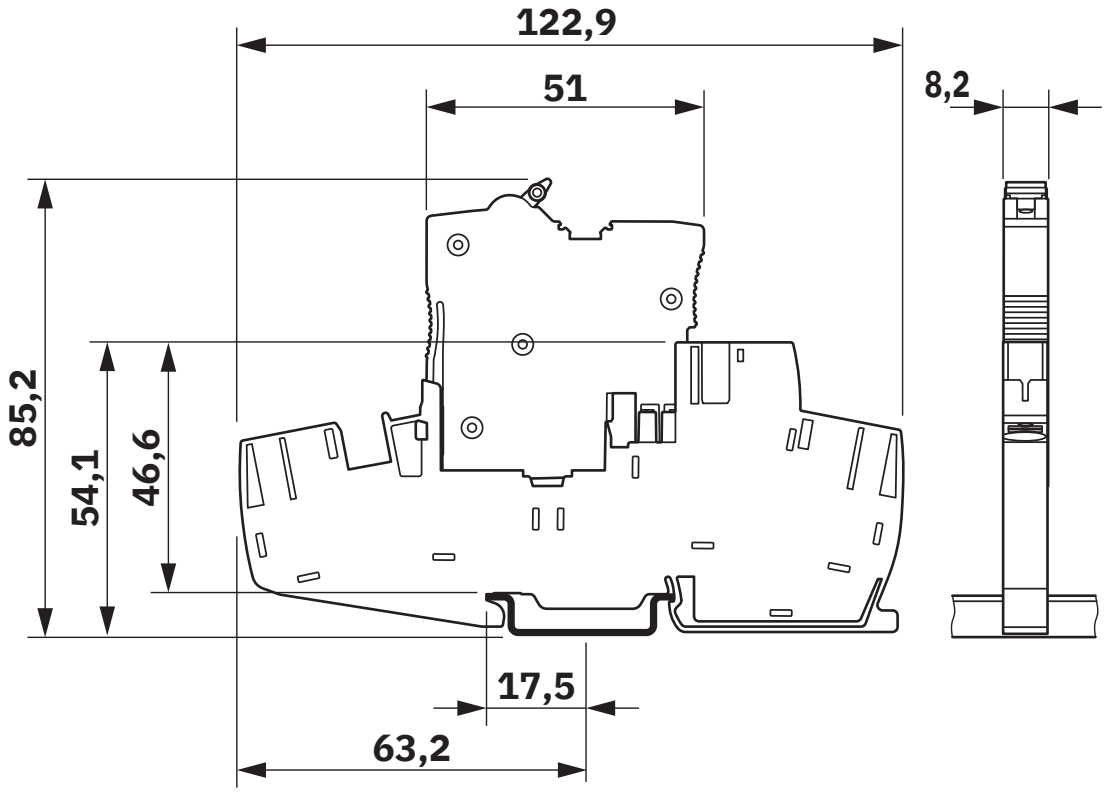
Mounting type	DIN rail: TH 35 - 7.5 mm

Drawings

Dimensional drawing

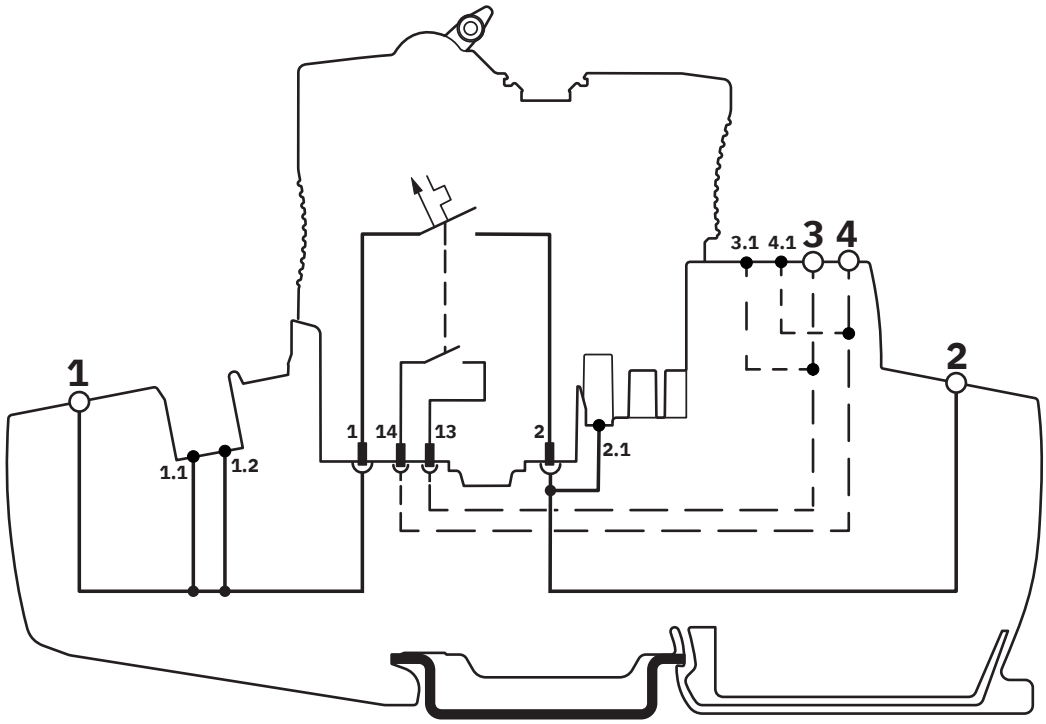


Dimensional drawing



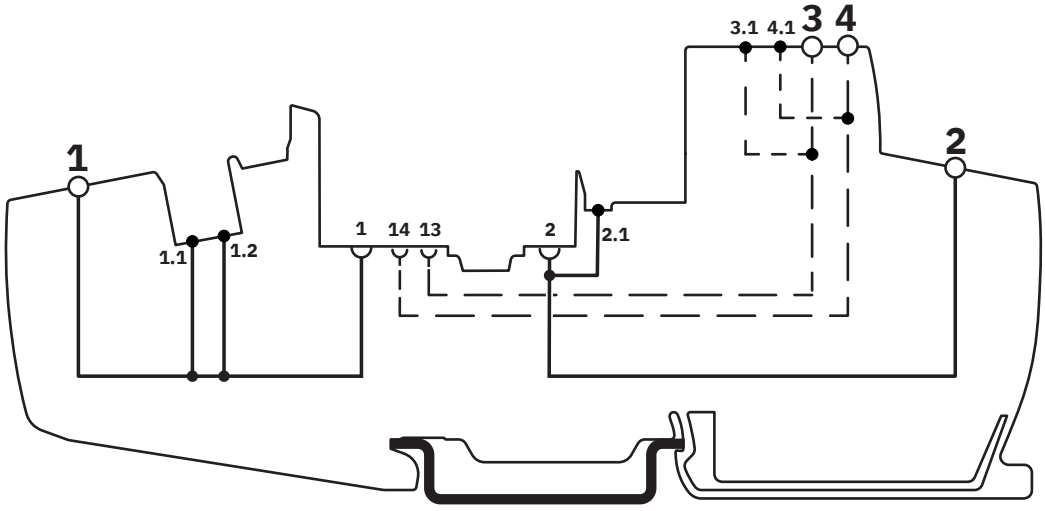
The figure shows the complete module consisting of a base element and connector

Connection diagram

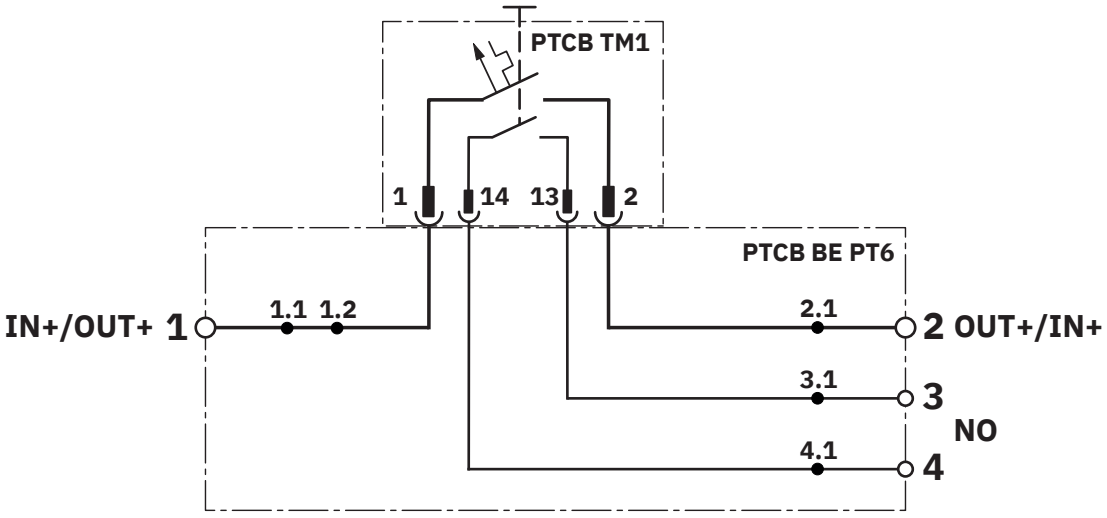


The figure shows the product in conjunction with a male connector

Connection diagram



Block diagram



Classifications

ECLASS

ECLASS-13.0	27140401
ECLASS-15.0	27140401

ETIM

ETIM 10.0	EC003538

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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