

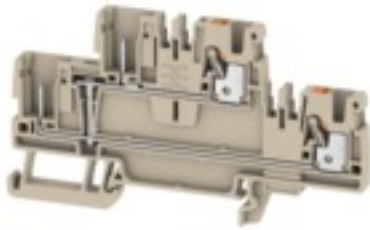
APGTB 2.5 2T VL 4C/2**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

Version	Feed-through terminal, PUSH IN, 2.5 mm ² , 800 V, 24 A, dark beige
Order No.	1548140000
Type	APGTB 2.5 2T VL 4C/2
GTIN (EAN)	4050118353853
Qty.	50 pc(s).

Creation date March 8, 2023 1:33:01 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

APGTB 2.5 2T VL 4C/2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.988 inch
Depth including DIN rail	51 mm	Height	91 mm
Height (inches)	3.583 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	12.82 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	Wemid	Colour	dark beige
Colour of operational elements	orange	UL 94 flammability rating	V-0

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV16ATEX7940U	Certificate No. (IECEX)	IECEXTUR16.0046U
Max. voltage (ATEX)	800 V	Current (ATEX)	15 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	800 V
Current (IECEX)	15 A	Wire cross section max. (IECEX)	2.5 mm ²
Marking EN 60079-7	Ex ec II C Gc	Ex 2014/34/EU label	II 3 G D

System specifications

End cover plate required	Yes	Number of potentials	1
Number of levels	2	Number of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	Yes
PE connection	No	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Installation advice	Rail	Open sides	right
Snap-on	No	Type of fixing	Snap-on
Type of mounting	TS 35	With snap-in pegs	No

CSA rating data

Certificate No. (CSA)	200039-70089609	Current size B (CSA)	20 A
Current size C (CSA)	20 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	28 AWG		

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
Clamping range, max.	4 mm ²
Clamping range, min.	0.14 mm ²
Connection cross-section, stranded, max.	4 mm ²
Connection cross-section, stranded, min.	0.5 mm ²
Connection direction	top

Creation date March 8, 2023 1:33:01 PM CET

APGTB 2.5 2T VL 4C/2

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Gauge to IEC 60947-1	A3			
Number of connections	4			
Stripping length	10 mm			
Tube length for twin wire-end ferrule	Tube length	min.	8 mm	
		max.	12 mm	
	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	0.75 mm ²	
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Tube length	min.	8 mm	
		max.	6 mm	
	Cross-section for conductor connection	min.	0.34 mm ²	
		max.	0.14 mm ²	
	Tube length	min.	12 mm	
		max.	6 mm	
	Cross-section for conductor connection	min.	1 mm ²	
		max.	0.5 mm ²	
	Tube length	min.	12 mm	
		max.	8 mm	
	Cross-section for conductor connection	min.	2.5 mm ²	
		max.	1.5 mm ²	
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Tube length	nominal	5 mm	
		Cross-section for conductor connection	nominal	0.25 mm ²
	Tube length	min.	6 mm	
		max.	10 mm	
	Cross-section for conductor connection	min.	0.5 mm ²	
		max.	1 mm ²	
	Tube length	min.	7 mm	
		max.	12 mm	
	Cross-section for conductor connection	min.	1.5 mm ²	
		max.	2.5 mm ²	
	Twin wire-end ferrules, max.	0.75 mm ²		
	Twin wire-end ferrules, min.	0.5 mm ²		
Type of connection	PUSH IN			
Type of connection 2	Plug-in connection			
Wire connection cross section AWG, max.	AWG 12			
Wire connection cross section AWG, min.	AWG 28			
Wire connection cross section, finely stranded, max.	4 mm ²			
Wire connection cross section, finely stranded, min.	0.5 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²			
Wire connection cross-section, solid core, max.	2.5 mm ²			
Wire connection cross-section, solid core, min.	0.5 mm ²			

APGTB 2.5 2T VL 4C/2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

General

Installation advice	Rail	Rail	TS 35
Standards	In accordance with IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 28		

PE rating data

PEN function	No
--------------	----

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated current	24 A	Current at maximum wires	24 A
Standards	In accordance with IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	28 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	28 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	Current size D (cURus)	5 A
Voltage size B (cURus)	600 V	Voltage size C (cURus)	600 V
Voltage size D (cURus)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Creation date March 8, 2023 1:33:01 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

APGTB 2.5 2T VL 4C/2**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Downloads**

Approval/Certificate/Document of Conformity	Attestation of Conformity ATEX Certificate IECEX Certificate DNVGL certificate BV certificate MARITREG certificate CCC Ex Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
Tender specification	Klippon® Connect 1548 140000 DE Klippon® Connect 1548 140000 EN
User Documentation	NTI_ Ex nA APGTB 2.5 2T VL 4C_ 2.pdf StorageConditionsTerminalBlocks BPZL APGTB FT
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

APGTB 2.5 2T VL 4C/2

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

