INSTALLATION INSTRUCTIONS
& CONDITIONS FOR SAFE USE

II 3 G Ex ec IIC Gc

Modular TERMINAL Blocks: A- Series
TÜV 16 ATEX 7940 U
IECEx TUR 16.0046 U

Standards:
EN IEC 60079-0:2018 and EN IEC 60079-7:2015 A1:2018
IEC 60079-0: 7th Edition and IEC 60079-7: 5.1th Edition

Feed-through Terminal Blocks: APGTB 1.5 2T

Version:	Type	Order No
	APGTB 1.5 2T VL 4C/2 *	2485920000
	APGTB 1.5 2T PE 4C/2	2485870000
Accessories:		
End Plate	AEP 2T 1.5*	2469420000
End bracket	AEB 35 SC/1	1991920000
Terminal rail	TS 35/… acc.to DIN EN 60715	
in Combination with:	APG 1.5/1*	2482340000
	APG 1.5/2*	2482350000
	APG 1.5/3*	2482360000
	APG 1.5/4*	2482370000
	APG 1.5/5*	2482380000
	APG 1.5/6*	2482390000
	APG 1.5/7*	2482400000
	APG 1.5/8*	2482410000
	APG 1.5/9*	2482420000
	APG 1.5/10*	2482430000
	APG 1.5 L*	2482250000
	APG 1.5 MI*	2482280000
	APG 1.5 R*	2482310000
	APG 1.5/5-3BG-BL-GN*	2482440000
	APG 1.5/4-3BG-GN*	2482450000
	APG 1.5/3-BG-BL-GN*	2482460000
Pluggable Cross-connection	ZQV 1.5N/2*	1985410000
	ZQV 1.5N/3*	1985480000
	ZQV 1.5N/4*	1985490000
	ZQV 1.5N/5*	1985490000
	ZQV 1.5N/6*	1985510000
	ZQV 1.5N/7*	1985520000
	ZQV 1.5N/8*	1985540000
	ZQV 1.5N/9*	1985560000
	ZQV 1.5N/10*	1985580000
Looking clip	APGLE 1.5	2482720000
Coding element	APGCE	1514490000
Cover	APGPC 1.5	2482530000

Insulation material:

- Flammability class to UL 94	V0
- Operating temperature range	-60°C…+130°C (insulating material limit)

* in all colours

Technical data according to IEC/EN 60079-7 / Ex ec:

	APGTB 1.5 2T VL 4C/2	APGTB 1.5 2T PE 4C/2
- Rated voltage	500 V	
- Rated current	10,5 A	
- Contact resistance with rated conductor, 1.5 mm²	0,4 mΩ	2,1 mΩ
- Rated conductor cross section	1.5 mm²	1.5 mm²
- Conductor cross section solid	0,5 - 1,5 mm²	0,5 - 1,5 mm²
- Conductor cross section stranded	0,5 - 1,5 mm²	0,5 - 1,5 mm²
- Conductor cross section flexible	0,5 - 1,5 mm²	0,5 - 1,5 mm²
- Conductor cross section flexible with ferrule	0,5 - 1,5 mm²	0,5 - 1,5 mm²
- cross section, American Wire Gauge	26 - 14 AWG	26 - 14 AWG
- Stripping length	8 mm	8 mm

Service life acc. To IEC 61984

- max. no. of actuations	25 cycles

Mounting instructions:

The pluggable terminals of the A-series are suitable for application in enclosures in atmospheres with flammable gases or combustible dust. For use in flammable gases these enclosures must satisfy the requirements according to IEC/EN60079-0 and IEC/EN60079-7. For use in combustible dust these enclosures must satisfy the requirements according to IEC/EN60079-0 and IEC/EN60079-31.

In combination with other terminal block series and sizes and if other accessories are used, the applicable creepage and clearance distances shall be met.

Regarding the use of accessories the instructions of the manufacturer must be followed.

Schedule of Limitations:

The pluggable terminal blocks are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to IEC/EN 60079-0 and IEC/EN 60079-7. For combustible dust these enclosures must satisfy the requirements according to IEC/EN 60079-31.
The enclosure shall be constructed to block all sun and UV light from affecting the terminal blocks.

WARNING – Do not remove or replace the plug when energized!
The plug shall be fasted with the looking clip!

When using the types of pluggable terminals especially with other terminal blocks series or sizes or accessories the requirements for clearance and creepage distances of IEC/EN 60079-7 must be maintained. Regarding the use of covers, cross-connectors and end brackets the instructions of the manufacturer must be followed.

Please refer to the table under “Technical data” above.

No other wire sizes or types than the ones specified in instructions must be used. The terminal blocks must either be mounted next to another block of the same type and size or with an end plate.

A thermal assessment for the classification into the temperature classes T6…..T1 shall be performed. No part of terminal block must exceed 130 °C under any condition.

The insulation material of the conductors shall meet the temperature requirements.

- Cross connections with blank ends shall not be used.
- Manually cut cross connections shall not be used.