A2T 2.5 3C FT BK-FT

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

www.weidmueller.com



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal, Double-tier terminal, PUSH IN, 2.5 mm², 800 V, 22 A, dark beige
Order No.	2766890000
Type	A2T 2.5 3C FT BK-FT
GTIN (EAN)	4064675029786
Qty.	50 pc(s).

A2T 2.5 3C FT BK-FT

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

www.weidmueller.com

Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Height	114.5 mm	Height (inches)	4.508 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	18.438 g		

Temperatures

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)	TUEV16ATEX7909U	Certificate No. (IECEX)	IECEXTUR16.0036U
Max. voltage (ATEX)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2.5 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	21 A	Wire cross section max. (IECEX)	2.5 mm²

System specifications

End cover plate required	Yes	Number of potentials	2
Number of levels	2	Number of clamping points per level	3
Levels cross-connected internally	No	Rail	TS 35
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	Yes	Snap-on	No
Type of fixing	Snap-on	Type of mounting	TS 35

Conductors for clamping (additional connection)

Connection type, additional connection	PUSH IN

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm		
Clamping range, max.	4 mm²		
Clamping range, min.	0.14 mm²		
Connection cross-section, stranded, max.	4 mm²		
Connection cross-section, stranded, min.	0.5 mm²		
Connection direction	top		
Number of connections	6		
Stripping length	10 mm		
Tube length for twin wire-end ferrule	Tube length	max.	12 mm
		min.	8 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	0.75 mm²

A2T 2.5 3C FT BK-FT

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

www.weidmueller.com

Technical data

Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	min.	0.14 mm²
		max.	0.34 mm²
	Tube length	max.	8 mm
		min.	6 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	max.	12 mm
		min.	6 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	2.5 mm²
	Tube length	max.	12 mm
		min.	8 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.25 mm²
	Tube length	nominal	5 mm
	Cross-section for conductor connection	min.	0.5 mm²
		max.	1 mm²
	Tube length	max.	10 mm
		min.	6 mm
	Cross-section for conductor connection	min.	1.5 mm²
		max.	4 mm²
	Tube length	max.	12 mm
		min.	7 mm

Twin wire-end ferrules, max.	0.75 mm²
Twin wire-end ferrules, min.	0.5 mm²
Type of connection	PUSH IN
Type of connection 2	PUSH IN
Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 28
Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	2.5 mm²
Wire connection cross-section, solid core, min.	0.5 mm²

General

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

A2T 2.5 3C FT BK-FT

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

www.weidmueller.com

Technical data

Rating data

Rated cross-section	2.5 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	22 A
Current at maximum wires	22 A	Standards	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		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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	ECLASS 13.0	27-25-01-02
ECLASS 14.0	27-25-01-02		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals	CURUSEX KOSHAEX
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity DNVGL certificate UKCA Ex Certificate Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
User Documentation	User Manual AXC 1.5-16
Catalogues	Catalogues in PDF-format

A2T 2.5 3C FT BK-FT

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

www.weidmueller.com

Drawings

