



Flange plate N-TB

N-TB

Technical data

Ex-e terminal enclosures N-TB

Marking accd. to 94/9/EC	⊕ Ex II 2 G Ex e IIC Gb / ⊕ Ex II 2 D Ex tb IIIC Db
Temperature class	T6 up to +40 °C / T5 up to +55 °C
EC-Type Examination Certificate	BVS 13 ATEX E 014U
Application temperature	-40 °C to +55 °C ¹⁾
IECEX Certificate of Conformity	IECEX BVS 13.0026U
Marking accd. to IECEx	Ex e II Gb Ex tb IIIC Db
Rated voltage	up to 1100 V ¹⁾
Rated current	up to 500 A ¹⁾
Connecting terminals	up to 240 mm ² ¹⁾
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable glands/gland plates/enclosure drilling	up to 4 side optional gland plate (3 mm) combination with entries to meet requirements
Type of mounting	4 x 3 mm welded lugs with Ø 11 mm holes/slots horizontal
Enclosure material	Stainless steel 316 L electro chemically polished or sheet steel polyester powder coated (RAL 7032)
Material thickness	1.5 mm, 2 mm (- 62/45/20 and over)
Components mounting	4 x stand of pillars Ø 9 mm, 25 mm height, thread M6 x 10, for rail or mounting plate
Enclosure earth	M10 external/internal stainless steel earth stud assembly M6 internal stud on lid & painted gland plates
Gasket material	Silicone gasket

¹⁾ depending on type of terminal and Ex-components used

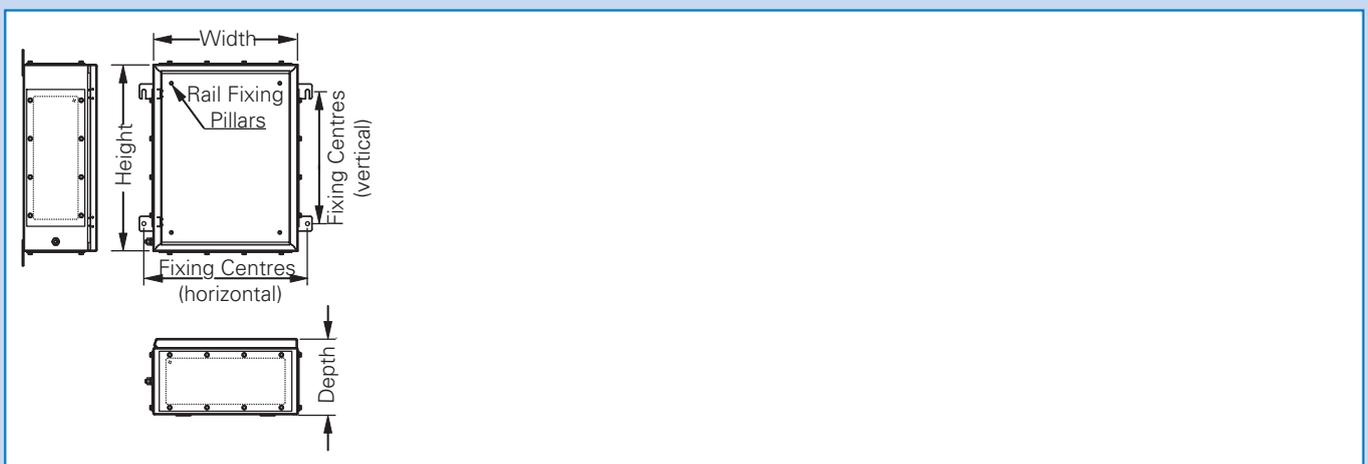
Additional Approvals:

cULUs Type 3S, 4, 4 x approval suitable for

Class I, Div 2 applications, Class I Zone 1, AExe II T6 (limited range available),

TR-CU, Germanischer Lloyd

Dimension drawing



Dimensions in mm

Ex-e terminal enclosures



N-TB

Ordering details N-TB up to 2 x 51 terminals

N-TB	Dimensions ²⁾ H x W x D in mm	Fixing Centres ²⁾ B _{vertical} x B _{horizontal}	Weight in kg (empty enclosure)	Terminal mounting rail				Terminal content			
				Rail fixing		Rail length		Row orientation vertical (thickness in mm)			
Type				vert.	horiz.	vert.	horiz.	2.5 (5)	4 (6)	6 (8)	10 (10)
Enclosure dimensions and terminal content											
N-TB 1	229x152x130	152x208 ³⁾	3.25	129	52	149	72	1x21	1x17	1x13	1x10
N-TB 2	260x260x160	170x316	5.50	160	160	180	180	2x27	2x23	1x17	1x13
N-TB 3	260x260x205	170x316	5.50	160	160	180	180	2x27	2x23	1x17	1x13
N-TB 4	306x306x160	203x361 ³⁾	7.00	206	260	226	226	2x36	2x30	2x23	2x18
N-TB 5	306x306x205	203x361 ³⁾	7.00	206	206	226	226	2x36	2x30	2x23	2x18
N-TB 6	380x260x205	250x316	7.00	280	180	300	160	2x51	2x43	1x32	1x25
N-TB 7	458x382x160	305x437 ³⁾	9.75	358	282	378	302	2x67	2x56	2x42	2x33

N-TB	Available glanding area			Max. entry guide (metric)							Order No. ⁴⁾
	Top & bottom	left	right	Top & bottom / left / right							
Size	(with gland plates fitted) in mm			M16	M20	M25	M32	M40	M50	M63	
Gland entry detail											
N-TB 1	58x108	58x108	58x108	6/6/6	3/3/3	2/2/2	1/1/1	-	-	-	NXTS12215130
N-TB 2	214x 80	114x 80	114x 80	20/9/9	10/6/6	6/3/2	3/2/3	3/1/1	2/1/1	-	NXTS12626160
N-TB 3	214x124	114x124	114x124	28/18/18	15/9/9	12/5/5	6/4/4	5/2/2	2/1/1	2/1/1	NXTS12626200
N-TB 4	261x 80	214x 80	261x 80	26/20/26	14/10/14	8/6/8	4/3/4	3/3/3	3/2/3	-	NXTS13030160
N-TB 5	261x124	214x124	261x124	34/28/34	20/15/20	15/12/15	8/6/8	6/5/6	3/2/3	2/2/2	NXTS13030200
N-TB 6	214x124	214x124	214x124	28/28/28	15/15/15	12/12/12	6/6/6	5/5/5	2/2/2	2/2/2	NXTS13826200
N-TB 7	337x 80	337x 80	337x 80	29/29/29	18/18/18	10/10/10	6/6/6	5/5/5	4/4/4	-	NXTS14538160

Options

with 1 gland plate	NXT S1 XXYZZ 1	with 2 gland plate	NXT S1 XXYZZ 2
with 3 gland plate	NXT S1 XXYZZ 3	with 4 gland plate	NXT S1 XXYZZ 4
		Permanent Padlock HASP Facility (Factory Fitted ONLY)	NXT NN XXYZZ0-HASP

Type	Order No.
Example	
N-TB 4 with 3 gland plates, painted and padlock HASP facility	NXTS13030163-HASP

Note: 1. The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.

2. Dimension drawing see page 2.2.41

3. $\frac{123}{3}$ Subtract 30 mm when no side gland plates

4. Refer to „OPTIONS“ for ordering key



N-TB

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Ordering details N-TB up to 6 x 171 terminals

N-TB	Dimensions ²⁾ H x W x D in mm	Fixing Centres ²⁾ B _{vertical} x B _{horizontal}	Weight in kg (empty enclosure)	Terminal rail				Terminal content			
				Rail fixing		Rail length		Row orientation vertical (thickness in mm)			
Size				vert.	horiz.	vert.	horiz.	2.5 (5)	4 (6)	6 (8)	10 (10)
Enclosure dimensions and terminal content											
N-TB 8	380x380x230	250x435	8.10	280	280	300	300	2x 51	2x 43	2x32	2x25
N-TB 9	458x382x205	305x437 ³⁾	9.75	358	282	378	302	2x 67	2x 56	2x42	2x33
N-TB 10	480x480x205	327x535 ³⁾	10.40	380	380	400	400	3x 71	3x 59	3x44	3x35
N-TB 11	620x450x205	450x506	17.00	520	350	540	370	4x 99	3x 83	3x62	3x49
N-TB 12	762x508x205	508x564 ³⁾	23.50	662	408	682	428	3x128	3x106	3x80	3x64
N-TB 13	740x550x205	540x606	30.40	640	450	660	470	5x124	4x103	4x77	4x61
N-TB 14	860x640x205	570x696	29.00	760	540	780	560	6x147	5x123	5x 92	4x73
N-TB 15	980x740x205	700x796	38.00	880	640	900	660	6x171	6x143	5x107	5x85

N-TB	Available glanding area			Max. entry guide (metric)						Order No. ⁴⁾	
	Top & bottom	left	right	Top & bottom / left / right							
Type	(with gland plates fitted) in mm			M16	M20	M25	M32	M40	M50	M63	
Gland entry detail											
N-TB 8	324x150	335x150	335x150	35/35/35	23/23/23	15/15/15	9/9/9	7/7/7	5/5/5	2/2/2	NXTS13838230
N-TB 9	337x124	337x124	337x124	46/46/46	26/26/26	21/21/21	11/11/11	9/9/9	4/4/4	3/3/3	NXTS14538200
N-TB 10	404x124	337x124	404x124	53/46/53	30/26/30	24/21/24	14/11/14	11/9/11	5/4/5	4/3/4	NXTS14848200
N-TB 11	404x124	404x124	404x124	53/53/53	30/30/30	24/24/24	14/14/14	11/11/11	5/5/5	4/4/4	NXTS16245200
N-TB 12	404x124	594x124	594x124	53/82/82	30/47/47	24/39/39	14/20/20	11/17/17	5/7/7	4/6/6	NXTS17650200
N-TB 13	504x124	504x124	504x124	60/60/60	39/39/39	30/30/30	18/18/18	13/13/13	6/6/6	5/5/5	NXTS17455200
N-TB 14	594x124	2x (304x124)	2x (304x124)	82/80/80	47/48/48	39/36/36	20/20/20	17/14/14	7/8/8	6/6/6	NXTS18664200
N-TB 15	2x (304x124)	2x (404x124)	2x (404x124)	80/106/106	48/60/60	36/48/48	20/28/28	14/22/22	8/10/10	6/8/8	NXTS19874200

Options	
with 1 gland plate	NXT S1 XXYYZZ 1
with 3 gland plate	NXT S1 XXYYZZ 3
with 2 gland plate	NXT S1 XXYYZZ 2
with 4 gland plate	NXT S1 XXYYZZ 4
Permanent Padlock HASP Facility (Factory Fitted ONLY)	NXT NN XXYYZZ0-HASP

Type	Order No.
Example	
N-TB 11 with 3 gland plate, 316L SS and Padlock HASP Facility	NXTS162445203-HASP

- Note:** 1. The information provided is based on the physical constraints of the enclosure. Please refer to the certificate for hazardous area applications.
 2. Dimension drawing see page 2.2.41
 3. ³⁾ Subtract 30 mm when no side gland plates
 4. Refer to „OPTIONS“ for ordering key