



TE SERIES

EARTH TERMINAL BLOCKS



CESI 02 ATEX 061 U  
I M2 Ex eb I Mb  
II 2 G Ex eb IIC Gb

IECEx CES 09.0010U  
Ex eb I Mb  
Ex eb IIC Gb



YELLOW/GREEN VERSION	CODE TYPE	T0910	TE0.2	CE110	CBE.2	T0430	TE0.4
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TECHNICAL CHARACTERISTICS							
<b>Function/type</b>			Earth terminal block	Earth terminal block	Earth terminal block	Earth terminal block	Earth terminal block
<b>Rated cross-section</b>		[mm <sup>2</sup> ]	2.5	2.5	2.5	4	4
<b>Connecting capacity</b>	Flexible	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4	0.2 - 4	0.2 - 6	0.2 - 6
	Rigid	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4	0.2 - 4	0.2 - 6	0.2 - 6
	Max. flexible with ferrule - ferrule type	[mm <sup>2</sup> ]	2.5 - WP25/14	2.5 - WP25/14	2.5 - WP25/14	4 - WP40/16	4 - WP40/16
<b>Electrical characteristics According to European standard IEC EN 60947-7-2</b>	Max AC/DC Voltage	[V]	-	-	-	-	-
	Max current with rated cross-section	[A]	-	-	-	-	-
<b>Electrical characteristics According to UL</b>	Section	Caliber	A3	A3	A3	A4	A4
	Max AC/DC Voltage	[V]	-	-	-	-	-
	Max current with rated cross-section	[A]	-	-	-	-	-
<b>Electrical characteristics According to ATEX directive and IEC ex standard</b>	Section Min - Max	[AWG]	20 - 14	20 - 14	20 - 14	20 - 12	20 - 12
	Tightening torque	[lb.in]	5.5	5.5	5.5	5.5	5.5
<b>Electrical characteristics According to ATEX directive and IEC ex standard</b>	Max AC/DC Voltage	[V]	-	-	-	-	-
	Max current with rated cross-section	[A]	24	-	-	32	32
Operating Temperature	[°C]	-40 ÷ +110	-	-	-	-40 ÷ +110	-40 ÷ +110
<b>Rated impulse withstand voltage/pollution degree</b>			8 KV / 3	8 KV / 3	8 KV / 3	8 KV / 3	8 KV / 3
<b>Insulation stripping length</b>		[mm]	12	8	8	14	14
<b>Tightening torque value (test / max)</b>		[Nm]	0.4 / 0.8	0.4 / 0.5	0.4 / 0.5	0.5 / 1.2	0.5 / 1.2
<b>Length</b>		[mm]	50	50	50	50	50
<b>Width</b>		[mm]	5.5	5	5	6.5	6.5
<b>Height mounted on TH35/7.5</b>		[mm]	47	52	52	52	52
<b>Height mounted on TH35/15</b>		[mm]	55	60	60	60	60
<b>Height mounted on G32</b>		[mm]	-	56	56	-	-
<b>Insulation material temperature index [EN 60216-1]</b>		[°C]	130	130	130	130	130
<b>Plastic material</b>			Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS



ACCESSORIES

<b>End section</b>	green	TE0.2/PT (cod. T0911)	CBR/PT (cod. CR111)	TE0.4/PT (cod. T0431)
<b>Numbering strip</b>		-	CNU/08/51 (cod. NU0851S)	-
<b>Marking tag</b>		CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
		CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
<b>End bracket</b>	Snap-fit TH35 e G32	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32	-	BT/DIN/PO (cod. BT001)	-

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-cu cross-section mm <sup>2</sup>	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232



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YELLOW/GREEN VERSION	CODE TYPE	TE400	TO110	TO500
		TED.4	TE.6/0	TE.10/0

TECHNICAL CHARACTERISTICS				
<b>Function/type</b>		Earth terminal block	Earth terminal block	Earth terminal block
<b>Rated cross-section</b>	[mm <sup>2</sup> ]	4	6	10
<b>Connecting capacity</b>	Flexible	[mm <sup>2</sup> ]	0.2 - 6	0.5 - 10
	Rigid	[mm <sup>2</sup> ]	0.2 - 6	0.5 - 10
	Max. flexible with ferrule - ferrule type	[mm <sup>2</sup> ]	4 - WP40/16	6 - WP60/20
<b>Electrical characteristics According to European standard IEC EN 60947-7-2</b>	Max AC/DC Voltage	[V]	-	-
	Max current with rated cross-section	[A]	-	-
<b>Electrical characteristics According to UL</b>	Section	Caliber	A4	A5
	Max AC/DC Voltage	[V]	-	-
	Max current with rated cross-section	[A]	-	-
	Section Min - Max	[AWG]	20 - 12	20 - 8
<b>Electrical characteristics According to ATEX directive and IEC ex standard</b>	Tightening torque	[lb.in]	5.5	13.3
	Max AC/DC Voltage	[V]	-	-
	Max current with rated cross-section	[A]	-	41
<b>Operating Temperature</b>	[°C]	-40 ÷ +80	-40 ÷ +110	-40 ÷ +110
<b>Rated impulse withstand voltage/pollution degree</b>		8 KV / 3	8 KV / 3	8 KV / 3
<b>Insulation stripping length</b>	[mm]	10	12	13
<b>Tightening torque value (test / max)</b>	[Nm]	0.5 / 1.2	0.8 / 1.4	1.2 / 1.9
<b>Length</b>	[mm]	50	47	47
<b>Width</b>	[mm]	6.5	8	10
<b>Height mounted on TH35/7.5</b>	[mm]	-	52	55
<b>Height mounted on TH35/15</b>	[mm]	-	60	63
<b>Height mounted on G32</b>	[mm]	56	-	-
<b>Insulation material temperature index [EN 60216-1]</b>	[°C]	130	130	130
<b>Plastic material</b>		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS



ACCESSORIES

<b>End section</b>	green	TE0.4/PT (cod. T0431)	-	-
<b>Numbering strip</b>		-	-	-
<b>Marking tag</b>		CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
		CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
<b>End bracket</b>	Snap-fit TH35 e G32	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32	BT/DIN/PO (cod. BT001)	-	-

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-cu cross-section mm <sup>2</sup>	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232



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YELLOW/GREEN VERSION	CODE TYPE	TO210	TO310	TE110
		TE.16/0	TE.50/0	TE.6/D

TECHNICAL CHARACTERISTICS					
<b>Function/type</b>		Earth terminal block	Earth terminal block	Earth terminal block	
<b>Rated cross-section</b>		[mm <sup>2</sup> ]	16	50	6
<b>Connecting capacity</b>	Flexible	[mm <sup>2</sup> ]	0.5 - 25	1.5 - 50	0.5 - 10
	Rigid	[mm <sup>2</sup> ]	0.5 - 25	1 - 70	0.5 - 10
	Max. flexible with ferrule - ferrule type	[mm <sup>2</sup> ]	16 - WP160/22	50 - WP500/40	6 - WP60/20
<b>Electrical characteristics According to European standard IEC EN 60947-7-2</b>	Max AC/DC Voltage	[V]	-	-	-
	Max current with rated cross-section	[A]	76	150	-
	Section	Caliber	B7	B9	A5
<b>Electrical characteristics According to UL</b>	Max AC/DC Voltage	[V]	-	-	-
	Max current with rated cross-section	[A]	-	-	-
	Section Min - Max	[AWG]	20 - 3	16 - 1	20 - 8
	Tightening torque	[lb.in]	13.3	33.2	13.3
<b>Electrical characteristics According to ATEX directive and IEC ex standard</b>	Max AC/DC Voltage	[V]	-	-	-
	Max current with rated cross-section	[A]	76	150	41
<b>Operating Temperature</b>		[°C]	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
<b>Rated impulse withstand voltage/pollution degree</b>			8 KV / 3	8 KV / 3	8 KV / 3
<b>Insulation stripping length</b>		[mm]	13	17	12
<b>Tightening torque value (test / max)</b>		[Nm]	1.8 / 3	2.5 / 5	0.8 / 1.4
<b>Length</b>		[mm]	47	57	42
<b>Width</b>		[mm]	12	18	8
<b>Height mounted on TH35/7.5</b>		[mm]	56	62	-
<b>Height mounted on TH35/15</b>		[mm]	64	70	-
<b>Height mounted on G32</b>		[mm]	-	-	53
<b>Insulation material temperature index [EN 60216-1]</b>		[°C]	130	130	130
<b>Plastic material</b>			Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS



ACCESSORIES

<b>End section</b>	green	-	-	-
<b>Numbering strip</b>		-	-	-
<b>Marking tag</b>		CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
		CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
<b>End bracket</b>	Snap-fit TH35 e G32	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35	BTU (cod. BT005)	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32	-	-	BT/DIN/PO (cod. BT001)

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-cu cross-section mm <sup>2</sup>	Short-time withstand current 1s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
G32 type mounting rail IEC 60715/G32	Steel	35	4.2	-
	Copper	120	14.4	269
	Aluminium	70	8.4	192
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 15	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232



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YELLOW/GREEN VERSION	CODE	TE500	TE210	TE310
	TYPE	TE.10/D	TE.16/D	TE.50/D

TECHNICAL CHARACTERISTICS				
<b>Function/type</b>		Earth terminal block	Earth terminal block	Earth terminal block
<b>Rated cross-section</b>	[mm <sup>2</sup> ]	10	16	50
<b>Connecting capacity</b>	Flexible [mm <sup>2</sup> ]	0.5 - 16	0.5 - 25	1.5 - 50
	Rigid [mm <sup>2</sup> ]	0.5 - 16	0.5 - 25	1 - 70
	Max. flexible with ferrule - ferrule type [mm <sup>2</sup> ]	10 - WP100/21	16 - WP160/22	50 - WP500/40
<b>Electrical characteristics According to European standard IEC EN 60947-7-2</b>	Max AC/DC Voltage [V]	-	-	-
	Max current with rated cross-section [A]	-	76	150
<b>Electrical characteristics According to UL</b>	Section Caliber	B6	B7	B9
	Max AC/DC Voltage [V]	-	-	-
	Max current with rated cross-section [A]	-	-	-
<b>Electrical characteristics According to ATEX directive and IEC ex standard</b>	Section Min - Max [AWG]	20 - 8	20 - 3	16 - 1
	Tightening torque [lb.in]	13.3	13.3	33.2
	Max AC/DC Voltage [V]	-	-	-
<b>Rated impulse withstand voltage/pollution degree</b>	Max current with rated cross-section [A]	57	76	150
	Operating Temperature [°C]	-40 ÷ +110	-40 ÷ +110	-40 ÷ +110
<b>Insulation stripping length</b>	[mm]	13	13	17
<b>Tightening torque value (test / max)</b>	[Nm]	1.2 / 1.9	1.8 / 3	2.5 / 5
<b>Length</b>	[mm]	44	46.5	57
<b>Width</b>	[mm]	10	12	18
<b>Height mounted on TH35/7.5</b>	[mm]	-	-	-
<b>Height mounted on TH35/15</b>	[mm]	-	-	-
<b>Height mounted on G32</b>	[mm]	56	57.5	63
<b>Insulation material temperature index [EN 60216-1]</b>	[°C]	130	130	130
<b>Plastic material</b>		Polyamide UL94V-0	Polyamide UL94V-0	Polyamide UL94V-0

APPROVALS

ACCESSORIES

Accessories	TE500	TE210	TE310
<b>End section</b> green	-	-	-
<b>Numbering strip</b>	-	-	-
<b>Marking tag</b>	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)	CNU/08/51 (cod. NU0851S)
	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)	CNU/10/61 (cod. NU1061S)
<b>End bracket</b>	Snap-fit TH35 e G32	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)
	Screw TH35	BTU (cod. BT005)	BTU (cod. BT005)
	Screw G32	BT/DIN/PO (cod. BT001)	BT/DIN/PO (cod. BT001)

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-cu cross-section mm <sup>2</sup>	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
Top hat rail IEC 60715/TH 15 - 5.5	Steel	10	1.2	-
	Copper	25	3	101
	Aluminium	16	1.92	76
G32 type mounting rail IEC 60715/G32	Steel	35	4.2	-
	Copper	120	14.4	269
	Aluminium	70	8.4	192
Top hat rail IEC 60715/TH 35 - 7.5	Steel	16	1.92	-
	Copper	50	6	150
	Aluminium	35	4.2	125
Top hat rail IEC 60715/TH 35 - 5.5	Steel	50	6	-
	Copper	150	18	309
	Aluminium	95	11.4	232