

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series



version to be mounted onto PR/3 rail	TEC.6/O Cat. No. T0120	TEC.10/O Cat. No. T0510	TEC.16/O Cat. No. T0220
version to be mounted onto PR/DIN rail	TEC.6/D Cat. No. TE120	TEC.10/D Cat. No. TE510	TEC.16/D Cat. No. TE220
TECHNICAL CHARACTERISTICS			
function / type	earth terminal block	earth terminal block	earth terminal block
rated cross-section (mm ²)	6	10	16
connecting capacity			
flexible (mm ²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
rigid (mm ²)	0,5 ÷ 10	1,5 ÷ 16	1,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	6 - WP60/20	10 - WP100/21	16 - WP160/22
tensione nom. / corrente nom. / calibre sec. IEC 60947-7-2	- / 41 A / A5	- / 57 A / B6	- / 76 A / B7
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-	-	-
rated impulse withstand voltage / pollution degree	12 KV / 3	12 KV / 3	12 KV / 3
insulation stripping length (mm)	10	12	18
tightening torque value (test / max) (Nm)	0,8 / 1,4	1,2 / 1,9	-
height / width / thickness TH/35 7,5 mm	52 / 44 / 8	52 / 44 / 10	56 / 47 / 12
height / width / thickness TH/35 15 mm	60 / 44 / 8	60 / 44 / 10	64 / 47 / 12
height / width / thickness G32	53 / 44 / 8	53 / 44 / 10	57 / 47 / 12

APPROVALS



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections	-	-	-	-	-	-
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
Numbering strip	-	-	CSC	CS...	CSC	CS...
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001
Mounting rail according to IEC 60715 Std.	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001
	PR/3/AS same with slots	PR004	PR/3/AS same with slots	PR004	PR/3/AS same with slots	PR004
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

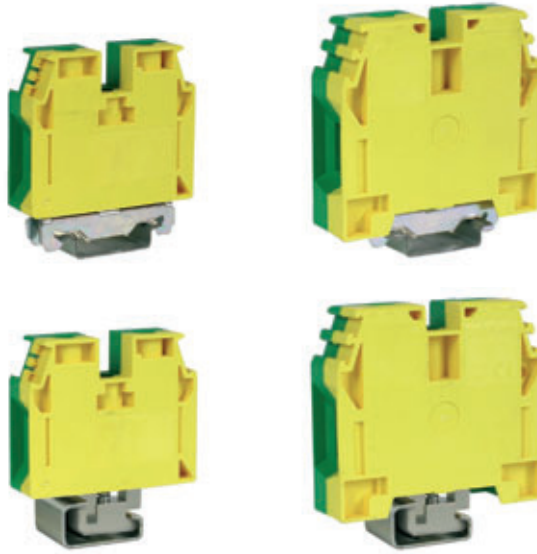
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminium	70	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

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- mounting onto PR/3 type rails - according to IEC 60715 Std., "TH/35" type
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- same profile and dimensions of the corresponding terminals of the CBC and GPA Series



version to be mounted onto PR/3 rail

TEC.35/0
Cat. No. **T0320**

TEC.70/0
Cat. No. **T0810**

version to be mounted onto PR/DIN rail

TEC.35/D
Cat. No. **TE320**

TEC.70/D
Cat. No. **TE820**

TECHNICAL CHARACTERISTICS	
function / type	earth terminal block
rated cross-section (mm ²)	35
connecting capacity	
flexible (mm ²)	2,5 ÷ 50
rigid (mm ²)	2,5 ÷ 50
max. flexible with ferrule (mm ²)-ferrule type	-
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 125 A / B9
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	18
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	63 / 56 / 16
height / width / thickness TH/35 15 mm	71 / 56 / 16
height / width / thickness G32	64 / 56 / 16

earth terminal block	35
connecting capacity	
flexible (mm ²)	2,5 ÷ 50
rigid (mm ²)	2,5 ÷ 50
max. flexible with ferrule (mm ²)-ferrule type	-
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 125 A / B9
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	18
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	63 / 56 / 16
height / width / thickness TH/35 15 mm	71 / 56 / 16
height / width / thickness G32	64 / 56 / 16

earth terminal block	71
connecting capacity	
flexible (mm ²)	10 ÷ 95
rigid (mm ²)	10 ÷ 95
max. flexible with ferrule (mm ²)-ferrule type	-
tensione nom. / corrente nom. / calibro sec. IEC 60947-7-2	- / 192 A / B11
rated voltage / rated current / AWG (Ex e) rated voltage (V)	-
rated impulse withstand voltage / pollution degree	12 KV / 3
insulation stripping length (mm)	25
tightening torque value (test / max) (Nm)	6 / 9 (vite cava esag. chiave 4 mm)
height / width / thickness TH/35 7,5 mm	74 / 70 / 20,5
height / width / thickness TH/35 15 mm	81,5 / 70 / 20,5
height / width / thickness G32	75 / 70 / 20,5

APPROVALS



UL, cUL, ATEX Ex e and IEC Ex pending



UL, cUL, ATEX Ex e and IEC Ex pending

ACCESSORIES

End sections	
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
-	-
CNU/8/51	NU0851
CSC	CS...
-	-
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/3/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
-	-
CNU/8/51	NU0851
CSC	CS...
-	-
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/3/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-cu cross-section mm ²	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 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

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks

with **UL94V-0 polyamide insulating body**

- to be mounted onto PR/DIN type rails according to IEC 60715 Std., TH/35 and "G32" types
- in a single green / yellow insulating case
- **CESI 02 ATEX 061 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U** Ex e II



Version to be mounted onto PR/3 and PR/DIN rails according to IEC 60715 Std.

(*) with reference to upper and lower clamping units respectively

version to be mounted onto PR/3 rail	TE0.2	CBE.2	TE0.4			
	Cat. No. T0910	Cat. No. CE110	Cat. No. T0430			
version to be mounted onto PR/DIN rail						
TECHNICAL CHARACTERISTICS						
function / type	earth	earth (2 inputs / 2 outputs)	earth			
rated cross-section (mm ²)	2,5	2,5	4			
connecting capacity						
flexible (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6			
rigid (mm ²)	0,2 ÷ 4	0,2 ÷ 4	0,2 ÷ 6			
max. flexible with ferrule (mm ²)-ferrule type	2,5 - WP25/14	2,5 - WP25/14	4 - WP40/16			
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / - / A3	- / - / A3	- / - / A4			
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-14 AWG / 5,5 lb.in.	- / 15 A / 20 ÷ 14 AWG / 5,5 lb.in.	- / - / 20 ÷ 12 AWG / 5,5 lb.in.			
rated impulse withstand voltage / pollution degree	8 KV / 3	8 KV / 3	8 KV / 3			
insulation stripping length (mm)	12	8 - 14,5 (*)	14			
tightening torque value (test / max) (Nm)	0,4 / 0,8	0,4 / 0,8	0,5 / 1,2			
height / width / thickness TH/35 7,5 mm	47 / 50 / 5,5	52 / 50 / 5	52 / 50 / 6,5			
height / width / thickness TH/35 15 mm	55 / 50 / 5,5	60 / 50 / 5	60 / 50 / 6,5			
height / width / thickness G32	-	56 / 50 / 5	-			
APPROVALS						
ACCESSORIES	Type	Cat. No.	Type	Cat. No.	Type	Cat. No.
End sections green	TE0.2/PT	T0911	CBR/PT	CR111	TE0.4/PT	T0431
Marking tag printed or blank	CNU/8/51	NU0851	CNU/8/51	NU0851	CNU/8/51	NU0851
	CSC	CS...	CSC	CS...	CSC	CS...
Numbering strip	-	NU0851	CNU/8/51	NU0851	-	
End bracket	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005	BTU for PR/DIN and PR/3	BT005
	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007	BT/3-BTO for PR/3 only	BT003-BT007
Mounting rail according to IEC 60715 Std.	BT/DIN/PO for PR/DIN only	BT001	BT/DIN/PO for PR/DIN only	BT001		
	PR/DIN/AC of steel	PR001	PR/DIN/AC of steel	PR001		
	PR/DIN/AS same with slots	PR004	PR/DIN/AS same with slots	PR004		
	PR/DIN/AL of aluminium	PR002	PR/DIN/AL of aluminium	PR002		
	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003	PR/3/AC of steel	PR003
	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005	PR/3/AS same with slots	PR005

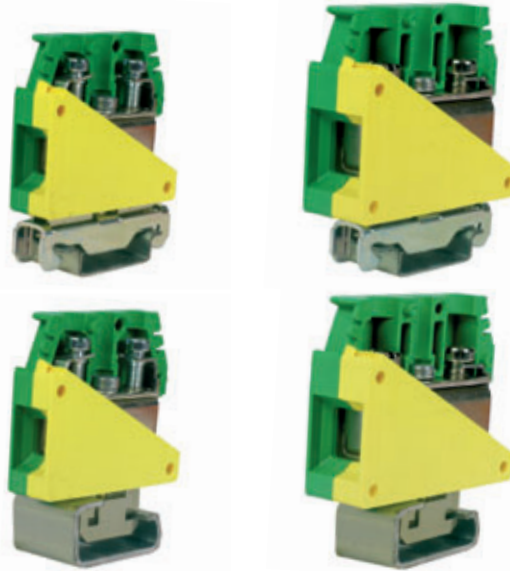
MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE				
Rail profile	Material	Equivalent E-cu cross-section mm ²	Short-time withstand current 1 s kA	Thermal rated current of a PEN busbar A
"Top hat" rail IEC 60715/TH 15 - 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminium	16	1,92	76
G32-type 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

Taken from CEI EN 60947-7-2 standard

Earth terminal blocks

with UL94V-0 polyamide insulating body

- to be mounted onto PR/3 type rails according to IEC 60715 Std., TH/35 type
- to be mounted onto PR/DIN type rails according to IEC 60715 Std., "G32" type
- in 2 green / yellow insulating cases
- **CESI 02 ATEX 061 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +80 °C
- **CoC IEC Ex CES 09.0009U** Ex e II



Without green / yellow insulating case



version to be mounted onto PR/3 rail

version to be mounted onto PR/DIN rail

TECHNICAL CHARACTERISTICS	
function / type	earth
rated cross-section (mm ²)	16
connecting capacity	
flexible (mm ²)	0,5 ÷ 25
rigid (mm ²)	0,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 76 A / B7
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-3 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length (mm)	13
tightening torque value (test / max) (Nm)	1,8 / 3
height / width / thickness TH/35 7,5 mm	56 / 47 / 12
height / width / thickness TH/35 15 mm	64 / 47 / 12
height / width / thickness G32	57,5 / 46,5 / 12

TE.16/O Cat. No. **T0210**

TE.16/D Cat. No. **TE210**

earth	16
connecting capacity	
flexible (mm ²)	0,5 ÷ 25
rigid (mm ²)	0,5 ÷ 25
max. flexible with ferrule (mm ²)-ferrule type	16 - WP160/22
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 76 A / B7
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 20-3 AWG / 13,3 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length (mm)	13
tightening torque value (test / max) (Nm)	1,8 / 3
height / width / thickness TH/35 7,5 mm	56 / 47 / 12
height / width / thickness TH/35 15 mm	64 / 47 / 12
height / width / thickness G32	57,5 / 46,5 / 12

TE.50/O Cat. No. **T0310**

TE.50/D Cat. No. **TE310**

earth	50
connecting capacity	
flexible (mm ²)	1,5 ÷ 50
rigid (mm ²)	1 ÷ 70
max. flexible with ferrule (mm ²)-ferrule type	50 - WP500/40
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 125 A / B9
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / 16-1 AWG / 33,2 lb.in
rated impulse withstand voltage / pollution degree	8 kV / 3
insulation stripping length (mm)	17
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	62 / 57 / 18
height / width / thickness TH/35 15 mm	70 / 57 / 18
height / width / thickness G32	63 / 57 / 18

TTN.35 Cat. No. **TT300**

earth	35
connecting capacity	
flexible (mm ²)	1,5 ÷ 50
rigid (mm ²)	1 ÷ 70
max. flexible with ferrule (mm ²)-ferrule type	35 - WP350/30
rated voltage / rated current / gauge conf. to IEC 60947-7-1	- / 125 A / B9
rated voltage / rated current / AWG / tightening torque value UL (Ex e) rated voltage (V)	- / - / -
rated impulse withstand voltage / pollution degree	- / 3
insulation stripping length (mm)	15
tightening torque value (test / max) (Nm)	2,5 / 5
height / width / thickness TH/35 7,5 mm	-
height / width / thickness TH/35 15 mm	-
height / width / thickness G32	60 + D / 58 / 11

APPROVALS



ACCESSORIES

End sections	verde
Marking tag	printed or blank
Numbering strip	
End bracket	
Mounting rail according to IEC 60715 Std.	

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/3-BTO for PR/3 only	BT003-BT007
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002
PR/3/AC of steel	PR003
PR/3/AS same with slots	PR005

Type	Cat. No.
CNU/8/51	NU0851
CSC	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-cu cross-section mm ²	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 rail IEC 60715/G32	Steel	35	4,2	-
	Copper	120	14,4	269
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"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

Taken from
CEI EN 60947-7-2
standard