

TEC SERIES

SCREW TECHNOLOGY 1 LEVEL GROUND TERMINAL BLOCKS



- same profile and dimensions of the corresponding terminal blocks of the CBC and GPA Series
- No end plates required, already closed in yellow/green shells



YELLOW/GREEN VERSION			PART NUMBER	T0120	T0510	T0220
			TYPE	TEC.6/0	TEC.10/0	TEC.16/0
TECHNICAL CHARACTERISTICS						
Function/type				ground terminal block	ground terminal block	ground terminal block
Rated cross-section			[mm²]	6	10	16
Connecting capacity	Flexible		[mm²]	0,5÷10	1,5 ÷ 16	1,5 ÷ 25
	Rigid		[mm²]	0,5÷10	1,5 ÷ 16	1,5 ÷ 25
	Max. flexible with ferrule - ferrule type		[mm²]	6 - WP60/20	10 - WP100/21	16 - WP160/22
Electrical characteristics According to European standard IEC EN 60947-7-2						
			Max AC/DC Voltage	[V]	-	-
			Current with rated cross-section	[A]	-	-
			Section	Caliber	A5	B7
			Max AC/DC Voltage	[V]	600	-
			Current with rated cross-section	[A]	-	-
Electrical characteristics According to UL						
			Section Min-Max	[AWG]	24-8	-
			Tightening torque	[lb.in]	15	-
Rated impulse withstand voltage/pollution degree				8kV / 3	8kV / 3	8kV / 3
Insulation stripping length			[mm]	10	12	15
Tightening torque nominal/max			[Nm]	0,8 / 1,4	1,2 / 1,9	2 / 1,2
Width			[mm]	8	10	12
Length			[mm]	44	44	47
Height mounted on TH35/7,5			[mm]	52	52	56
Height mounted on TH35/15			[mm]	60	60	64
Insulation material temperature index (EN 60216-1)			[°C]	130	130	130
Plastic material				Polyamide UL94 V0	Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS						
ACCESSORIES						
Marking tag				CNU/08/51 [cod. NU0851S] CNU/10/61 [cod. NU1061S]	CNU/08/51 [cod. NU0851S] CNU/10/61 [cod. NU1061S]	CNU/08/51 [cod. NU0851S] CNU/10/61 [cod. NU1061S]
End bracket	Snap-fit TH35 and G32			BTU [cod. BT005]	BTU [cod. BT005]	BTU [cod. BT005]
	Snap-fit TH35			BT0 [cod. BT007]	BT0 [cod. BT007]	BT0 [cod. BT007]
	Screw TH35			BT/3 [cod. BT003]	BT/3 [cod. BT003]	BT/3 [cod. BT003]

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE

Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1s kA	Thermal rated current of a PEN busbar A
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

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YELLOW/GREEN VERSION		PART NUMBER	T0320	T0810
		TYPE	TEC.35/0	TEC.70/0
TECHNICAL CHARACTERISTICS				
Function/type			ground terminal block	ground terminal block
Rated cross-section		[mm²]	35	70
Connecting capacity	Flexible	[mm²]	2,5 ÷ 50	10 ÷ 95
	Rigid	[mm²]	2,5 ÷ 50	10 ÷ 95
	Max. flexible with ferrule - ferrule type	[mm²]	-	-
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage	[V]	-	-
	Current with rated cross-section	[A]	-	-
	Section	Caliber	B9	B11
Electrical characteristics According to UL	Max AC/DC Voltage	[V]	-	-
	Current with rated cross-section	[A]	-	-
	Section Min-Max	[AWG]	-	-
	Tightening torque	[lb.in]	-	-
Rated impulse withstand voltage/pollution degree			12kV / 3	8kV / 3
Insulation stripping length		[mm]	18	25
Tightening torque nominal/max		[Nm]	2,5 / 5	6 / 9
Width		[mm]	16	20,5
Length		[mm]	56	70
Height mounted on TH35/7,5		[mm]	63	81,5
Height mounted on TH35/15		[mm]	71	74
Insulation material temperature index (EN 60216-1)		[°C]	130	130
Plastic material			Polyamide UL94 V0	Polyamide UL94 V0
APPROVALS				
ACCESSORIES				
Marking tag			CNU/08/51 [cod. NU0851S]	CNU/08/51 [cod. NU0851S]
			CNU/10/61 [cod. NU1061S]	CNU/10/61 [cod. NU1061S]
End bracket	Snap-fit TH35 and G32		BTU [cod. BT005]	BTU [cod. BT005]
	Snap-fit TH35		BT0 [cod. BT007]	BT0 [cod. BT007]
	Screw TH35		BT/3 [cod. BT003]	BT/3 [cod. BT003]

MAXIMUM SHORT-TIME WITHSTAND CURRENTS ALLOCATED TO THE RAIL PROFILE				
Rail profile	Material	Equivalent E-Cu cross-section mm²	Short-time withstand current 1s kA	Thermal rated current of a PEN busbar A
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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