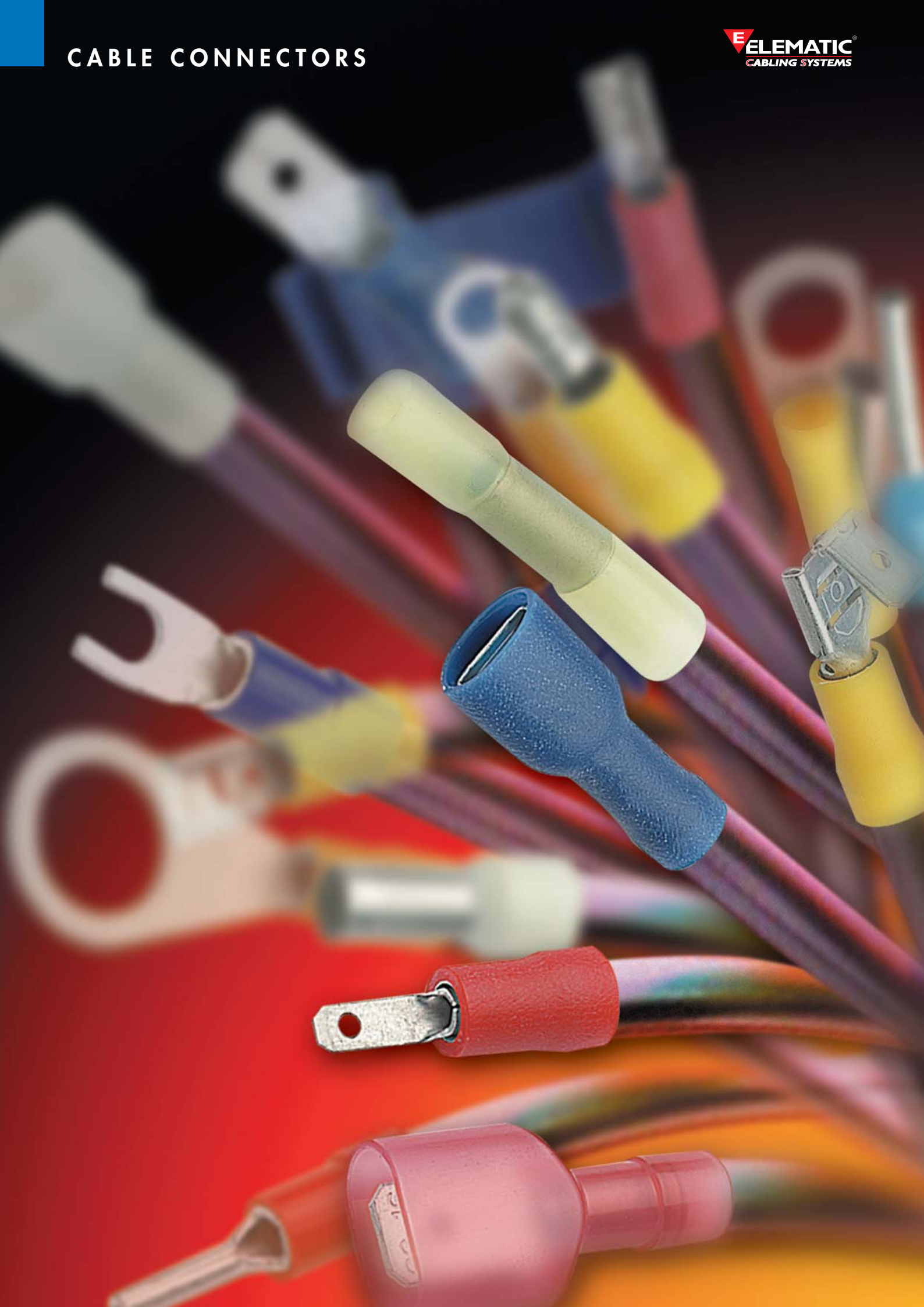


CABLE CONNECTORS

EELEMATIC[®]
CABLING SYSTEMS



Quality in connection!



Elematic Cabling Systems offers a large and complete range of crimping terminals, lugs and terminal blocks to satisfy the most different connection requirements in the widest application field.

The high quality material employed in the production, such as pure electrolytic copper (99,9), guarantees the highest competitiveness and an optimum crimping.



CABLE CONNECTORS

TERMINAL BLOCKS E-BLOKS



Unipolar terminal blocks in transparent polycarbonate, ideal for the connection of cables in civil and industrial installations.

Characteristics:

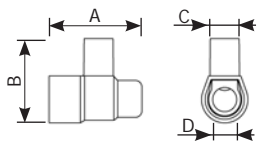
Insulating body:	transparent polycarbonate Internal pieces and bases of polyamide
Inserts:	brass
Screws:	zinc-plated steel
• Working temperature:	-5°C +85°C
• Peak temperature resistance:	+130°C
According to the norms:	EN 60998-1:2004 EN 60998-2-1:2004 EN 60998-2-2:2004

Applications

- Connection and insulation of cables in civil and industrial installations.

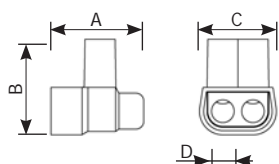
Benefits

- Easy separation of the pieces without rests of material on the external surface of the product.
- Best and safest connection thanks to the bigger dimension of the insulating housing.



Unipolar terminal blocks-1 hole

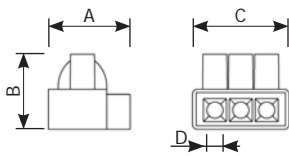
Code	Cross section (mm ²)	Poles (N°)	Cable section (mm ²)	Connectable cables		Rated voltage (V)	Degree of protection	Dimensions (mm)				Bag pcs case/carton
				rigid (N°)	flexible (N°)			A	B	C	D	
EBS 15	1,5	10	1,5	2	2	450	IP20	16	15	9	3,2	25/450
			1	2-3	2-3							
EBS 25	2,5	10	2,5	2	2	450	IP20	20	18	10	4	25/450
			1,5	2-3	2-3							
EBS 40	4	10	4	2	2	450	IP20	22	20	11	4,5	25/450
			2,5	2-3	2-3							
EBS 60	6	10	6	2	2	450	IP20	25	22	12	6	25/450
			4	2-3	2							
EBS 100	10	10	10	2	-	500	IP20	29	26	14	7,5	10/300
			6	2-3	2							
EBS 160	16	5	16	2	2	500	IP00	35	31	19	9,5	10/240
			10	2-3	2							
			6	2-4	2-3							
EBS 250	25	1	25	2	2	500	IP00	39	40	22	12	5/150
			16	2-3	2							
			10	2-4	2-3							
EBS 350	35	1	35	2	2	500	IP00	46	43	24	14	5/150
			25	2-3	2							
			16	2-4	2-3							



Unipolar terminal blocks-2 holes

Code	Cross section (mm ²)	Poles (N°)	Cable section (mm ²)	Connectable cables		Rated voltage (V)	Degree of protection	Dimensions (mm)				Bag pcs case/carton
				rigid (N°)	flexible (N°)			A	B	C	D	
EBS 2/15	1,5	2	1,5	1	1	450	IP20	16	15	12	3,2	150/2700
			1	1	1							
			0,75	1-2	1-2							
EBS 2/60	6	2	6	1	1	450	IP20	20	19	16	4	20/600
			4	1	1							
			2,5	1-2	1-2							
EBS 2/160	16	2	16	1	1	500	IP00	25	25	21	6	20/600
			10	1	1							
			6	1	1							
			4	1-2	1-2							
EBS 2/250*	25	2	25	1	1	500	IP00	29	27	25	7,5	10/300
			16	1	1							
			10	1	1							
			6	-	1							
			-	-	-							
EBS 2/350*	35	2	35	1	1	500	IP00	32	31	32	9,5	5/150
			25	1	1							
			16	1	1							
			10	-	1							
			-	-	-							

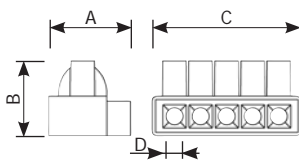
*Suitable for installations on mounting rail DIN EN 50022 with article EBS 500.



Unipolar terminal blocks-3 holes

Code	Cross section (mm ²)	Poles (N°)	Cable section (mm ²)	Connectable cables		Rated voltage (V)	Degree of protection	Dimensions (mm)				Bag pcs case/carton
				rigid (N°)	flexible (N°)			A	B	C	D	
EBS 3/60*	6	3	6	1	1	450	IP20	25	23	30	4,5	10/300
			4	1	1							
			2,5	1-2	1-2							
EBS 3/160*	16	3	16	1	1	500	IP20	25	26	34	6	5/150
			10	1	1							
			6	1-2	1-2							
			4	1-2	1-2							
EBS 3/250*	25	3	25	1	1	500	IP20	33	30	40	7,5	5/150
			16	1	1							
			10	1-2	1-2							
			6	1-2	1-2							
			6	1-2	1-2							

*Suitable for installations on mounting rail DIN EN 50022 with article EBS 500.



Unipolar terminal blocks-5 holes

Code	Cross section (mm ²)	Poles (N°)	Cable section (mm ²)	Connectable cables		Rated voltage (V)	Degree of protection	Dimensions (mm)				Bag pcs case/carton
				rigid (N°)	flexible (N°)			A	B	C	D	
EBS 5/60*	6	5	6	1	1	450	IP20	23	23	45	4,5	10/300
			4	1	1							
			2,5	1-2	1-2							
EBS 5/160*	16	5	16	1	1	500	IP20	28	26	52	6	5/150
			10	1	1							
			6	1-2	1-2							
			4	1-2	1-2							
EBS 5/250*	25	5	25	1	1	500	IP20	33	30	62	7,5	5/150
			16	1	1							
			10	1-2	1-2							
			6	1-2	1-2							
			6	1-2	1-2							

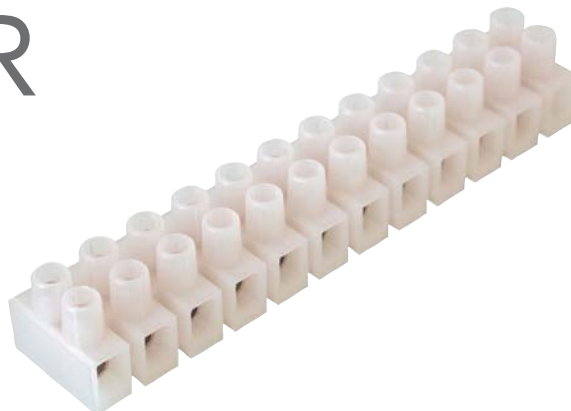
*Suitable for installations on mounting rail DIN EN 50022 with article EBS 500.



Support for the installation of unipolar terminal blocks 2-3-5 holes on mounting rail DIN EN 50022

EBS 500 Support for the installation of unipolar terminal blocks 2-3-5 holes on mounting rail DIN EN 50022. pcs/case/carton: 10/40

MULTIPOLAR TERMINAL STRIPS



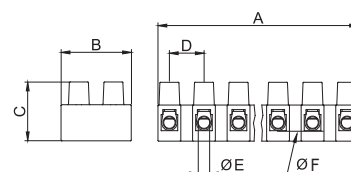
Multipolar terminal strips with screw clamp, in polyethylene or in polyamide, neutral colour, self-extinguishing as per UL94V2, tested for working temperatures till 110°C.

Characteristics:

Insulating body:	neutral polyethylene - (line PE) neutral polyamide - (line PA) self-extinguishing UL 94V2 - (line PA)
Inserts:	brass metal - (line PE) nickel-plated brass - (line PA)
Screws:	zinc-plated steel
• Working temperature	-5°C ÷ 85°C (line PE); -30°C ÷ 110°C (line PA)
• Resistance to the heat	+150°C (line PA)

Halogen-free

According to the norms:	EN 60998-2-1:2004 (line PE). EN 60998-2-1:2004; EN 60998-1+A1:2001 (line PA) RoHS 2002/95/CE (line PA)
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Code	Cross section (mm²)	N. Poles	Connectable cables rigid/flexible (N°)	Rated voltage (V)	Rated current (A)	Degree of protection	Dimensions (mm)						Screw	Bag pcs. case/carton
							A	B	C	D	E	F		

Multipolar terminal strips in neutral polyethylene - line PE

EMPP 25	2,5	12	2,5/4	450	-	IP20	93	16,5	12	8	2,8	-	M2,5	10/300
EMPP 40	4	12	4/6	450	-	IP20	116	19	16,5	10	3,2	-	M3	10/200
EMPP 60	6	12	6/10	450	-	IP20	130	21	17	11	4,3	-	M3,5	10/200
EMPP 100	10	12	10/16	450	-	IP20	165	26	20	14	5,8	-	M4	10/80
EMPP 160	16	12	16/25	450	-	IP20	185	31	26	16	7,0	-	M5	10/60

Multipolar terminal strips in neutral polyamide - line PA

RoHS

EMPA 15	1,5	12	1,5	450	17,5	IP20	94	16,5	15	8	3	2,8	M3	10/200
EMPA 25	2,5	12	2,5	450	24	IP20	116	18	16	10	3,2	3,1	M3	10/200
EMPA 40	4	12	4	450	32	IP20	140	23	19	12	4	3,3	M3,5	10/120
EMPA 100	10	12	10	450	57	IP00	172	32	25	15	6	3,4	M4	10/60
EMPA 160	16	12	16	450	76	IP00	209	37	34	17	7,5	3,4	M5	10/30

PROTECTED DISTRIBUTION TERMINALS

E-RAIL

Protected distribution terminal posts.

Characteristics:

Insulating body: cover of Polycarbonate
base of Polyamide

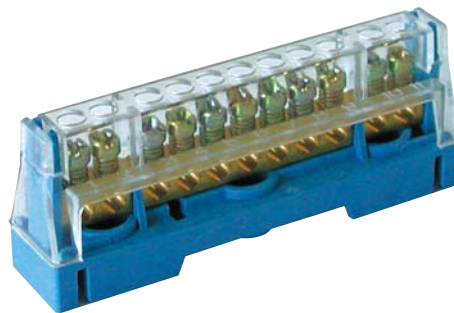
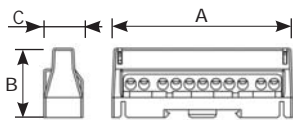
Inserts: brass

Screws: zinc-plated steel

- Working temperature -5°C +85°C
- Resistance to the heat +130°C

According to the norms:
(100 and 125A) EN 60998-2-1:2004
EN 60998-1:2004

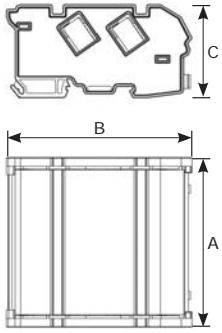
Fixing: on rail DIN EN 50022
or with screws on plate



Protected blue distribution terminal post-50A

Code	I _{pk} kA	I _c kA	I _w kA	U _{imp} kV	Poles N°	Bar				Dissipated power per bar (W)		Dimensions			Bag pcs case/carton
						Hole N°	Ø (mm)	Connecting		25°C	85°C	A (mm)	B (mm)	C (mm)	
								sections (mm ²)	Cables N°						
RAIL 050107	12	6	1,9	8	1	5	5,3	6 10 (rigid 16)	1 1	0,53	0,63	59	34	19	20/20
RAIL 050111	12	6	1,9	8	1	9	5,3	6 10 (rigid 16)	1 1	0,83	0,98	88	34	19	12/12
RAIL 050115	12	6	1,9	8	1	13	5,3	2,5 10 (rigid 16)	1 1	1,1	1,3	114	34	19	10/10

N.B. The protected distribution terminal post-50A can be used as expansion of the distribution terminal post-100A and 125A - four poles.



Code	I _{pk} kA	I _{cc} kA	I _{sw} kA	U _{imp} kV	Poles N°	Bar			Dissipated power per bar (W)		Dimensions			Bag pcs case/carton	
						Hole N°	Ø (mm)	Connecting		25°C	85°C	A (mm)	B (mm)		C (mm)
								sections (mm ²)	Cables N°						

Protected distribution terminal post 100A (two poles and four poles)

RAIL 100207 20	10	3,1	8	2	1	9	10	2	1,36	1,46	68	47	45	4/20
							16/25/35	1						
					1	8	6	2						
RAIL 100407 20	10	3,1	8	4	5	6	2,5	2	1,36	1,46	72	98	45	2/20
							4/6/10	1						
					1	9	10	2						
RAIL 100407 20	10	3,1	8	4	1	8	6	2	1,36	1,46	72	98	45	2/20
							10/16/25	1						
					5	6	2,5	2						

Protected distribution terminal post 125A (two poles and four poles)

RAIL 125211	22	11	4,3	8	2	2	9	10	2	4,1	4,85	105	47	45	2/20
								16/25/35	1						
						2	8	6	2						
RAIL 125411	22	11	4,3	8	4	7	6	2,5	2	4,1	4,85	109	98	45	10/10
								4/6/10	1						
						2	9	10	2						
RAIL 125411	22	11	4,3	8	4	2	8	6	2	4,1	4,85	109	98	45	10/10
								10/16/25	1						
						7	6	2,5	2						
RAIL 125215	22	11	4,3	8	2	2	9	10	2	5,27	6,3	134	47	45	2/10
								16/25/35	1						
						2	8	6	2						
RAIL 125215	22	11	4,3	8	2	11	6	2,5	2	5,27	6,3	134	47	45	2/10
								4/6/10	1						
						2	9	10	2						
RAIL 125415	22	11	4,3	8	4	2	8	6	2	5,27	6,3	138	98	45	10/10
								10/16/25	1						
						11	6	2,5	2						

N.B. These products can be fixed on rail DIN EN 50022 or with screws on plate.

I_{pk}= max presumable current

I_{cc}= current of short circuit

I_{sw}= current of short length

U_{imp}= tension of the impulse

PREINSULATED COPPER TERMINALS



Characteristics:

Connector material:	electrolytic tinned copper (purity grade 99,9%)
Insulation:	polypropylene
According to the norms:	DIN 46228/4 - DIN 47002 for the insulating part and the colour (D)
Humidity absorption:	no
• Working temperature	-10°C to +105°C
• Tightening temperature	0°C to +60°C
• Max admissible point	+120°C for short time
• Melting temperature	+165°C
Limit Oxygen Index (LOI):	17%
Resistance to external agents:	Good resistance to bases and weak acids. Limited resistance to strong oxidizing acids, oils and minerals. No resistance to chloride solvents. Halogen-free.

Applications

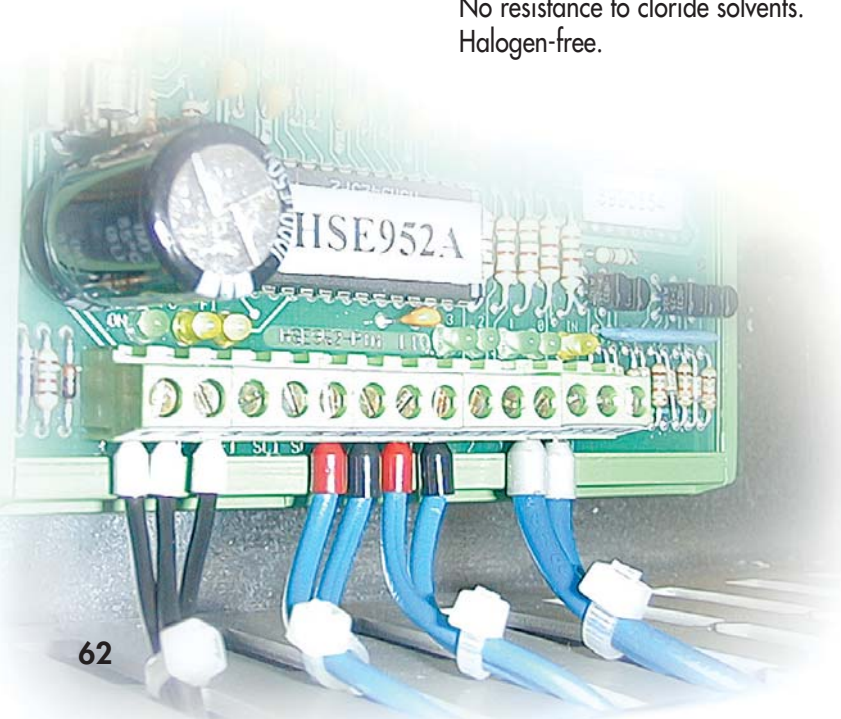
- Switchboards.
- Electrical wirings.

Characteristics

- Connector in electrolytic tinned copper.
- High conductivity.
- According, for colour and dimension, to the norms DIN 46228/4 and DIN 47002.

Benefits

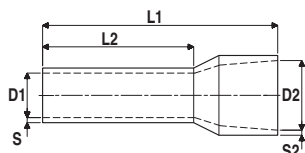
- Provide a perfect base of contact for the insertion into blocks.
- Easiest application thanks to the suitable tools.
- Available in three colours: T, W e D.



Tools for terminals, see pages 112; 122-123.



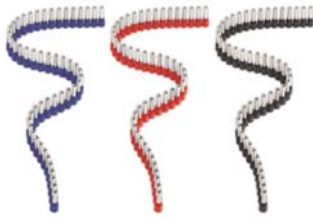
preinsulated **COPPER TERMINALS** - col. T/W/D



Cross section (mm ²)	AWG	Code	Colour		Code	Colour		Dimensions (mm)					Bag pcs		
			T	W		D	L1	L2	D1	S	D2	S2			
0,25/N	24	E034	△	△	E134	△	-	10,0	6,0	0,75	0,15	1,8	0,25	500	
0,25/N	24	E034C	△	-	-	-	-	10,0	6,0	0,75	0,15	1,8	0,25	100	
0,25/L	24	E035	△	△	E135	△	-	12,0	8,0	0,75	0,15	1,8	0,25	500	
0,34/N	22	E036	△	△	E136	△	-	10,0	6,0	0,8	0,15	2,0	0,25	500	
0,34/N	22	E036C	△	-	-	-	-	10,0	6,0	0,8	0,15	2,0	0,25	100	
0,34/L	22	E037	△	△	E137	△	-	12,0	8,0	0,8	0,15	2,0	0,25	500	
0,50/K	20	E01	△	△	E010	△	E01	△	12,0	6,0	1,0	0,15	2,6	0,25	500
0,50/N	20	E02	△	△	E020	△	E02	△	14,0	8,0	1,0	0,15	2,6	0,25	500
0,5/N	20	E02C	△	-	-	-	-	14,0	8,0	1,0	0,15	2,6	0,25	100	
0,50/HL	20	E03	△	△	E030	△	E03	△	16,0	10,0	1,0	0,15	2,6	0,25	500
0,75/K	18	E04	△	△	E040	△	E004D	△	12,0	6,0	1,2	0,15	2,8	0,25	500
0,75/N	18	E05	△	△	E050	△	E005D	△	14,0	8,0	1,2	0,15	2,8	0,25	500
0,75/N	18	E05C	△	-	-	-	-	14,0	8,0	1,2	0,15	2,8	0,25	100	
0,75/HL	18	E06	△	△	E060	△	E006D	△	16,0	10,0	1,2	0,15	2,8	0,25	500
0,75/L	18	E07	△	△	E070	△	-	18,0	12,0	1,2	0,15	2,8	0,25	500	
1,00/K	18	E08	△	△	E080	△	E08	△	12,0	6,0	1,4	0,15	3,0	0,25	500
1,00/N	18	E09	△	△	E090	△	E09	△	14,0	8,0	1,4	0,15	3,0	0,25	500
1,0/N	18	E09C	△	-	-	-	-	14,0	8,0	1,4	0,15	3,0	0,25	100	
1,00/HL	18	E10	△	△	E100	△	E10	△	16,0	10,0	1,4	0,15	3,0	0,25	500
1,00/L	18	E11	△	△	E110	△	E11	△	18,0	12,0	1,4	0,15	3,0	0,25	500
1,50/N	16	E13	△	△	E113	△	E13	△	14,0	8,0	1,7	0,15	3,5	0,25	500
1,50/N	16	E13C	△	-	-	-	-	14,0	8,0	1,7	0,15	3,5	0,25	100	
1,50/HL	16	E14	△	△	E114	△	E14	△	16,0	10,0	1,7	0,15	3,5	0,25	500
1,50/L	16	E15	△	△	E115	△	E15	△	24,0	18,0	1,7	0,15	3,5	0,25	500
2,50/N	14	E16	△	△	E116	△	E116	△	14,0	8,0	2,2	0,15	4,2	0,25	500
2,50/N	14	E16C	△	-	-	-	-	14,0	8,0	2,2	0,15	4,2	0,25	100	
2,50/HL	14	E17	△	△	E117	△	E117	△	18,0	12,0	2,2	0,15	4,2	0,25	500
2,50/L	14	E18	△	△	E118	△	E118	△	24,0	18,0	2,2	0,15	4,2	0,25	500
4,00/N	12	E19	△	△	E119	△	E119	△	16,5	10,0	2,8	0,20	4,8	0,30	500
4,00/N	12	E19C	△	-	-	-	-	16,5	10,0	2,8	0,20	4,8	0,30	100	
4,00/HL	12	E20	△	△	E120	△	E120	△	19,5	12,0	2,8	0,20	4,8	0,30	500
4,00/L	12	E21	△	△	E121	△	E121	△	25,5	18,0	2,8	0,20	4,8	0,30	500
6,00/N	10	E22	△	△	E122	△	E022D	△	20,0	12,0	3,5	0,20	6,3	0,30	100
6,00/L	10	E23	△	△	E123	△	E023D	△	26,0	18,0	3,5	0,20	6,3	0,30	100
10,00/N	8	E24	△	△	E124	△	E024D	△	22,0	12,0	4,5	0,20	7,6	0,40	100
10,00/L	8	E25	△	△	E125	△	E025D	△	28,0	18,0	4,5	0,20	7,6	0,40	100
16,00/N	6	E26	△	△	E126	△	E026D	△	24,0	12,0	5,8	0,20	8,8	0,40	100
16,00/L	6	E27	△	△	E127	△	E027D	△	28,0	18,0	5,8	0,20	8,8	0,40	100
25,00/N	4	E28	△	△	E128	△	E028D	△	30,0	16,0	7,3	0,20	11,2	0,40	50
25,00/L	4	E29	△	△	E129	△	E029D	△	36,0	22,0	7,3	0,20	11,2	0,40	50
35,00/N	2	E30	△	△	E130	△	E30	△	30,0	16,0	8,3	0,20	12,7	0,40	50
35,00/L	2	E31	△	△	E131	△	E31	△	39,0	25,0	8,3	0,20	12,7	0,40	50
50,00/N	1	E32	△	△	E132	△	E32	△	36,0	20,0	10,3	0,30	15,0	0,50	50
50,00/L	1	-	-	△	E133	△	-	40,0	25,0	10,3	0,30	15,0	0,50	50	

• Short = K • Normal = N • Long = L • Medium = HL

preinsulated END-SLEEVE TERMINALS - 50 pcs - cutting strips



Cross section (mm ²)	AWG	Code	Colour	Dimensions (mm)						Bag pcs
				T	L1	L2	D1	S1	D2	
0,50/N	20	E02B		14,0	8,0	1,0	0,15	2,6	0,25	500
0,75/L	18	E05B		14,0	8,0	1,2	0,15	2,8	0,25	500
1,00/N	18	E09B		14,0	8,0	1,4	0,15	3,0	0,25	500
1,50/L	16	E13B		14,0	8,0	1,7	0,15	3,5	0,25	500
2,50/K	14	E16B		14,0	8,0	2,2	0,15	4,2	0,25	500

TOOLS for crimping end-sleeve terminals in strips



Code	Description	Ø Measure (mm ²)	L (mm)	Weight (gr.)	Pcs/Bag
9410	Kit box for end-sleeve terminals in strips (tool + 3 magazines + box)	0,5-0,75-1,0-1,5-2,5	180	220	1
9410P	Tool for end-sleeve terminals in strips	0,5-0,75-1,0-1,5-2,5	180	220	1
9410M	Magazine	0,5-0,75-1,0-1,5-2,5			1

Ergonomic and automatic tool for end-sleeve terminals in strips from 0,5 up to 2,5 mm² (AWG 20÷14) . Equipped with 3 sleeve magazines and metallic box. It grants an easy and quick change. Multi functional tool for flexible cable cutting, stripping, twisting and all crimping operations.

TWIN INSULATED TERMINALS



Characteristics:

Connector material: electrolytic tinned copper (purity grade 99,9%)

Insulation: polypropylene

Technical standards:
According to the norm: DIN 47002 colour (D)



Applications

- Switchboards.
- Electrical wirings.

Characteristics

- Connector in electrolytic tinned copper.
- High conductivity.
- According, for colour and dimension, to the norm DIN 47002.

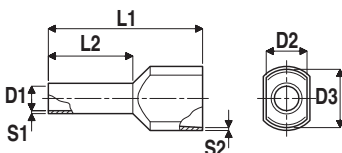
Benefits

- Insertion of two cables into the same terminal.
- Perfect base of contact for the installation into block.
- Easiest application thanks to the suitable tools.



Tools for terminals, see pages 112; 122-123.

TWIN INSULATED TERMINALS - colours D/T



Section (mm ²)	Code	Colours		Code		Colours		Dimensions (mm)				Bag	
		D	D	T	T	D1	D2	D3	L1	L2	S1	S2	pcs
2 x 0,50/N	11031002*	⚡	⚡	11031002	⚡	1,4	2,5	4,7	15,0	8,0	0,15	0,25	500/100*
2 x 0,75/N	11031005*	⚡	⚡	11031005 T	⚡	1,7	2,8	5,0	15,0	8,0	0,15	0,25	500/100*
2 x 0,75/HL	11036006	⚡	⚡	11036006 T	⚡	1,7	2,8	5,0	17,0	10,0	0,15	0,25	500
2 x 1,00/N	11031009*	⚡	⚡	11031009	⚡	1,95	3,4	5,4	15,0	8,0	0,15	0,30	500/100*
2 x 1,00/HL	11036010	⚡	⚡	11036010	⚡	1,95	3,4	5,4	17,0	10,0	0,15	0,30	500
2 x 1,50/N	11031013*	⚡	⚡	11031013	⚡	2,2	3,6	6,6	16,0	8,0	0,15	0,30	500/100*
2 x 1,50/HL	11036014	⚡	⚡	11036014	⚡	2,2	3,6	6,6	20,0	12,0	0,15	0,30	500
2 x 2,50/N	11031016*	⚡	⚡	11031016 T	⚡	2,8	4,2	7,8	18,5	10,0	0,20	0,30	250/100*
2 x 2,50/HL	11036017	⚡	⚡	11036017 T	⚡	2,8	4,2	7,8	21,5	13,0	0,20	0,30	250
2 x 4,00/N	11031019	⚡	⚡	11031019 T	⚡	3,7	4,9	8,8	23,0	12,0	0,20	0,40	100
2 x 6,00/N	11031022	⚡	⚡	11031022 T	⚡	4,8	6,9	10,0	26,0	14,0	0,20	0,40	100
2 x 10,0/N	11031024	⚡	⚡	11031024 T	⚡	6,4	7,2	13,0	26,0	14,0	0,20	0,40	100
2 x 16,0/N	11031026	⚡	⚡	11031026 T	⚡	8,2	9,6	18,4	30,0	14,0	0,20	0,40	50

• Normal = N • Medium = HL *Available in 100 pcs bag adding "C" after the code..

INSULATED ASSORTMENT IN BOX DISPENSER

Applications

- Switchboards.
- Electrical wirings.

Characteristics

- Connector in electrolytic tinned copper.
- High conductivity.
- According, for colour and dimension, to the norms DIN 47002 e DIN 46228/4.

Benefits

Contained in a practical box in PVC provided with separations for the easiest choice of the wished product.



preinsulated copper terminals **cross-section 0,5 ÷ 2,5* mm²**

Section (mm ²)	pcs	11012001 Colour (T)	11022001 Colour (W)	11032001 Colour (D)
0,50	50			
0,75	100			
1,00	100			
1,50	100			
2,50	50			

* DIN 46228/4



preinsulated copper terminals **cross-section 4 ÷ 16* mm²**

Section (mm ²)	pcs	11012002 Colour (T)	11022002 Colour (W)	11032002 Colour (D)
4	50			
6	20			
10	20			
16	10			

* DIN 46228/4



twin terminals **section 0,75-2,50 mm²**

Section (mm ²)	pcs	11032005 Colour (T)	11032003 Colour (D)
2 x 0,75	50		
2 x 1,00	50		
2 x 1,50	50		
2 x 2,50	50		



twin terminals **section 4-16 mm²**

Section (mm ²)	pcs	11032006 Colour (T)	11032004 Colour (D)
2 x 4	20		
2 x 6	10		
2 x 10	10		
2 x 16	5		

COPPER TERMINALS

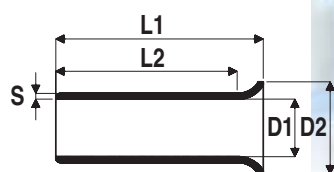


Characteristics:

Material:
Electrolitic tinned copper, purity grade 99,9%

Approvals:
According to the norm:

DIN 46228/1



copper terminals

Cross section (mm ²)	AWG	Code	Dimensions (mm)					Bag pcs
			L1	L2	D1	D2	S	
0,25	24	11001001*	5	4,6	0,8	2,0	0,15	500
0,50	20	11001011	6	5,3	1,0	2,1	0,15	500
0,50	20	11001012	10	9,3	1,0	2,1	0,15	500
0,75	18	11001021	6	5,3	1,2	2,3	0,15	500
0,75	18	11001022	10	9,3	1,2	2,3	0,15	500
1,00	17	11001031	6	5,3	1,4	2,5	0,15	500
1,00	17	11001032	10	9,3	1,4	2,5	0,15	500
1,50	16	11001041	7	6,0	1,7	2,8	0,15	500
1,50	16	11001042	10	9,0	1,7	2,8	0,15	500
2,50	14	11001051	7	9,0	2,2	3,4	0,15	500
2,50	14	11001052	10	9,0	2,2	3,4	0,15	500
4,00	12	11001061	9	8,0	2,8	4,0	0,20	500
4,00	12	11001062	12	11,0	2,8	4,0	0,20	500
6,00	10	11001071	12	11,0	3,5	4,7	0,20	100
6,00	10	11001072	15	14,0	3,5	4,7	0,20	100
10,00	7	11001081	12	10,8	4,5	5,8	0,20	100
10,00	7	11001082	15	13,8	4,5	5,8	0,20	100
16,00	6	11001091	12	10,5	5,8	7,5	0,20	100
16,00	6	11001092	15	13,5	5,8	7,5	0,20	100
16,00	6	11001093	18	16,5	5,8	7,5	0,20	100
25,00	3	11001101	15	13,0	7,3	9,5	0,20	50
25,00	3	11001102	18	16,0	7,3	9,5	0,20	50
35,00	2	11001111	18	16,0	8,3	11,0	0,20	50
50,00	1	11001122	25	22,0	10,3	13,0	0,30	50

* 0,25 mm² cross section not belonging to DIN 46228/1 standard.

Applications

- Switchboards.
- Electrical wirings.

Characteristics

- Connector in electrolitic tinned copper.
- High conductivity.
- According, for colour and dimension, to the norm DIN 46228/1.

Benefits

- Provide a perfect base of contact for the insertion into blocks.
- Easiest application thanks to the suitable tools.



Tools for terminals, see pages 112; 122-123.

INSULATED CRIMPING TERMINALS



EASY ENTRY
SYSTEM



Characteristics:

Structure of the material:

The insulated crimping terminals are obtained by plates of electrolytic copper with a section suitable to grant high conductivity as well as a low contact resistance.

Connector material:

Electrolytic copper - purity grade 99,9% for high conductivity.

Insulation:

PVC or Nylon.

Hot-treatment

The hot treatment optimizes the maximum malleability of the material providing the easiest compression during the crimping operations.

Process of electrolytic tin plating:

The insulated terminals are treated with a process of electrolytic tin plating. This method ensures the best adhesion of tin to the crimping terminal surface in order to reduce the electrical resistance and to provide the maximum protection against corrosion.

Easy Entry System

The particular internal countersinking of the insulation (easy-entry) enables the quickest and safest insertion of the wires providing the best resistance to every mechanical solicitation or vibration.



Applications

- The insulated crimping terminals are used for electrical connections, for the connection of wires in switchboards.

Characteristics of raw material:

Connector material: Electrolytic copper - purity grade 99,9%.

Product obtained by plates of copper – undergoing a process of hot-treatment and of electrolytic tin plating.

Insulation:

- Self-extinguishing material as per UL94 V2.
- Halogen-free.
- Rings, forks, pins in Nylon – for working temperatures up to 105°C.
- Butts in PVC - for working temperatures up to 75°C.

Approvals:

DIN 46237 (rings and forks)

DIN 46231 (pins)

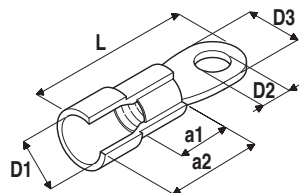
UL.

Benefits

- The easy-entry system enables the best insertion of the wire. The sleeve avoids the tear as well as the unthreading of the cable even in presence of particular vibrations.



Tools for terminals, see pages 112; 124.



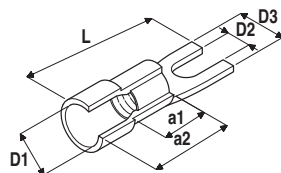
DIN 46237



EASY ENTRY SYSTEM

RING terminals (nylon)

Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D1	D2	D3	L	a1	a2		
11201134	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	3,2	6	16	5	10	100	
11201135	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	3,7	6	16	5	10	100	
11201143	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	4,3	8	17	5	10	100	
11201150	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	5,3	10	18	5	10	100	
11201161	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	6,5	11	20	5	10	100	
11201180	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	8,4	14	22	5	10	100	
11201191	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	10,5	18	24	5	10	100	
11201232	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	3,2	6	17	5	11	100	
11201236	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	3,7	6	17	5	11	100	
11201239	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	4,3	8	18	5	11	100	
11201250	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	5,3	10	20	5	11	100	
11201261	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	6,5	11	22	5	11	100	
11201280	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	8,4	14	23	5	11	100	
11201291	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	10,5	18	25	5	11	100	
11201295	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	13,0	19	26	5	11	100	
11201440	Yellow	4 ÷ 6	12 ÷ 10	6,4	4,3	8	20	6	12	100	
11201450	Yellow	4 ÷ 6	12 ÷ 10	6,4	5,3	10	21	6	12	100	
11201460	Yellow	4 ÷ 6	12 ÷ 10	6,4	6,5	11	22	6	12	100	
11201480	Yellow	4 ÷ 6	12 ÷ 10	6,4	8,4	14	25	6	12	100	
11201491	Yellow	4 ÷ 6	12 ÷ 10	6,4	10,5	18	27	6	12	100	
11201495	Yellow	4 ÷ 6	12 ÷ 10	6,44	13,0	19	32	6	12	100	



DIN 46237



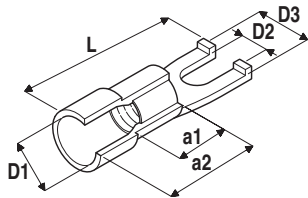
EASY ENTRY SYSTEM

FORK terminals (nylon)

Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D1	D2	D3	L	a1	a2		
11202132	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	3,2	6	16	5	10	100	
11202135	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	3,7	6	16	5	10	100	
11202140	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	4,3	6,8	17	5	10	100	
11202150	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	5,3	10	18	5	10	100	
11202160	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	6,5	11	20	5	10	100	
11202232	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	3,2	6	17	5	11	100	
11202240	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	3,7	6,8	18	5	11	100	
11202242	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	4,3	6,8	18	5	11	100	
11202250	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	5,3	10	20	5	11	100	
11202261	Blue	1,5 ÷ 2,5	16 ÷ 14	5,1	6,5	11	22	5	11	100	
11202440	Yellow	4 ÷ 6	12 ÷ 10	6,4	4,3	8	20	6	12	100	
11202450	Yellow	4 ÷ 6	12 ÷ 10	6,4	5,3	10	21	6	12	100	
11202460	Yellow	4 ÷ 6	12 ÷ 10	6,4	6,5	11	22	6	12	100	
11202480	Yellow	4 ÷ 6	12 ÷ 10	6,4	8,4	14	25	6	12	100	
11202490	Yellow	4 ÷ 6	12 ÷ 10	6,4	10,5	18	27	6	12	100	



FLANGED FORKS terminals (nylon)



DIN 46237

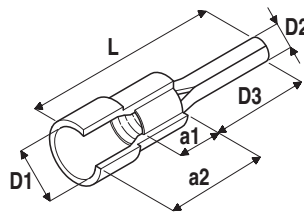


EASY ENTRY SYSTEM

Code	Colour	Section		Dimensions (mm)						Bag pcs
		(mm ²)	(AWG)	D1	D2	D3	L	a1	a2	
11202173		0,25 ÷ 1,5	22 ÷ 16	4,5	3,7	7,7	15,6	5	10	100
11202284		1,5 ÷ 2,5	16 ÷ 14	5	4,3	8	17,3	5	11	100



PIN terminals (nylon)



DIN 46231

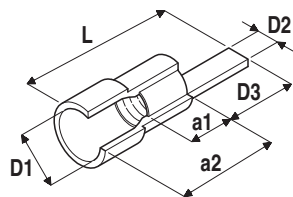


EASY ENTRY SYSTEM

Code	Colour	Section		AWG	Dimensions (mm)						Bag pcs
		(mm ²)			D1	D2	D3	L	a1	a2	
11210112		0,25 ÷ 1,5	22 ÷ 16	4,5	1,9	10	22	5	10	100	
11210115		0,25 ÷ 1,5	22 ÷ 16	4,5	1,9	12	27	5	10	100	
11210212		1,5 ÷ 2,5	16 ÷ 14	5	1,9	11	22	5	10	100	
11210215		1,5 ÷ 2,5	16 ÷ 14	5	1,9	12	27	5	10	100	
11210412		4 ÷ 6	12 ÷ 10	6	2,9	14	28	6	14	100	



BLADE terminals (nylon)

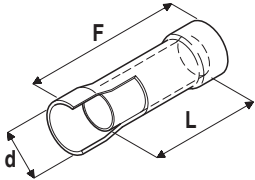


EASY ENTRY SYSTEM

Code	Colour	Section		AWG	Dimensions (mm)						Bag pcs
		(mm ²)			D1	D2	D3	L	a1	a2	
11210509		0,25 ÷ 1,5	22 ÷ 16	4,5	2,8	9	19	5	10	100	
11210510		0,25 ÷ 1,5	22 ÷ 16	4,5	2,2	10	20,5	5	10	100	
11210513		0,25 ÷ 1,5	22 ÷ 16	4,5	2,2	13	23	5	10	100	
11210514		0,25 ÷ 1,5	22 ÷ 16	4,5	3,0	14	24,5	5	10	100	
11210518		0,25 ÷ 1,5	22 ÷ 16	4,5	2,2	18	28,5	5	10	100	
11210609		1,5 ÷ 2,5	16 ÷ 14	5	2,8	9	19	5	11	100	
11210610		1,5 ÷ 2,5	16 ÷ 14	5	2,2	10	20,5	5	11	100	
11210613		1,5 ÷ 2,5	16 ÷ 14	5	2,2	13	23	5	11	100	
11210618		1,5 ÷ 2,5	16 ÷ 14	5	2,2	18	28,5	5	11	100	
11210710		4 ÷ 6	12 ÷ 10	6	2,8	10	24	6	12	100	



BUTT CONNECTORS (PVC)

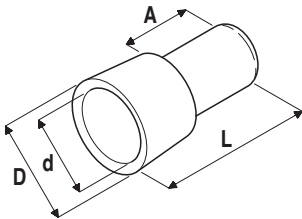


EASY ENTRY SYSTEM

Code	Colour	Section		Dimensions (mm)			Bag pcs
		(mm ²)	(AWG)	F	d	L	
11220140		0,25 ÷ 1,5	22 ÷ 16	15	4	26	100
11220250		1,5 ÷ 2,5	16 ÷ 14	15	4,6	26	100
11220465		4 ÷ 6	12 ÷ 10	15	6,4	27	100



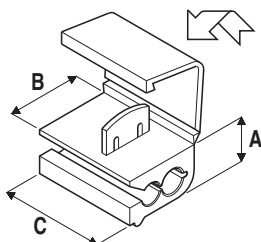
NYLON END CONNECTORS (nylon)



Code	Section		D	Dimensions (mm)			Bag pcs
	(mm ²)	(AWG)		d	A	L	
ECDCE-1	0,25 ÷ 1,5	22 ÷ 16	7,8	6,8	11,4	18,1	100
ECDCE-2	1,5 ÷ 2,5	16 ÷ 14	9,3	8,25	13,5	20,1	100
ECDCE-5	4 ÷ 6	12 ÷ 10	11,8	10,5	15,5	25,5	100
ECDCE-8	8	8	13,9	12	16,5	27,3	100



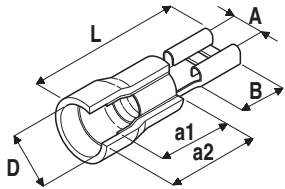
NYLON RAPID CONNECTORS (nylon)



Code	Colour	Section		Dimensions (mm)			Bag pcs
		(mm ²)	(AWG)	A	B	C	
ESCR		0,25 ÷ 1,5	22 ÷ 16	7,7	11,7	19,7	100
ESCB		1,5 ÷ 2,5	16 ÷ 14	7,7	11,7	19,7	100
ESCG		4 ÷ 6	12 ÷ 10	9,8	13,9	21,2	100



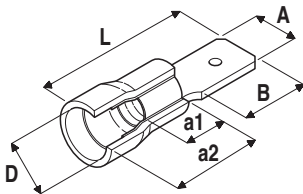
FEMALE PVC PUSH-ON TERMINALS



Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D	A	blade thickness	B	L	a1	a2	
11231128	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	3,2	0,5	6,4	18,5	5	10	100
11231129	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	3,2	0,8	6,4	18,5	5	10	100
11231150	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	5,0	0,5	6,0	19	5	10	100
11231149	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	5,0	0,8	6,0	19	5	10	100
11231163	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	6,6	0,8	7,9	20,8	5	10	100
11231228	Blue	1,5 ÷ 2,5	16 ÷ 14	4,3	3,2	0,5	6,4	18,5	5	10	100
11231250	Blue	1,5 ÷ 2,5	16 ÷ 14	4,3	5,0	0,5	6,0	19	5	10	100
11231249	Blue	1,5 ÷ 2,5	16 ÷ 14	4,3	5,0	0,8	6,0	19	5	10	100
11231263	Blue	1,5 ÷ 2,5	16 ÷ 14	4,3	6,6	0,8	7,9	20,8	5	10	100
11231463	Yellow	4 ÷ 6	12 ÷ 10	6,5	6,6	0,8	7,9	24,8	6	14	100



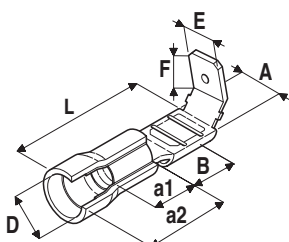
MALE PVC PUSH-ON TERMINALS



Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D	A	blade thickness	B	L	a1	a2	
11230128	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	2,8	0,5	6,6	17	5	10	100
11230153	Red	0,25 ÷ 1,5	22 ÷ 16	4,3	4,8	0,8	7	19	5	10	100
11230163	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	6,3	0,8	8	21	5	10	100
11230253	Blue	1,5 ÷ 2,5	16 ÷ 14	4,3	4,8	0,8	7	19,5	5	10	100
11230263	Blue	1,5 ÷ 2,5	16 ÷ 14	4,3	6,3	0,8	8	21	5	10	100
11230463	Yellow	4 ÷ 6	12 ÷ 10	6,5	6,3	0,8	8	25	6	14	100



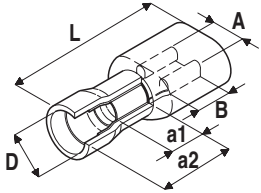
PVC PIGGY-BACKS



Code	Colour	Section		Dimensions (mm)						Bag			
		(mm ²)	(AWG)	D	A	blade thickness	B	E	F	L	a1	a2	pcs
11232153	Red	0,25 ÷ 1,5	22 ÷ 16	4,5	6,6	0,8	7,9	6,3	8	20,8	5	10	100
11232263	Blue	1,5 ÷ 2,5	16 ÷ 14	5	6,6	0,8	7,9	6,3	8	20,8	5	11	100
11232463	Yellow	4 ÷ 6	12 ÷ 10	6	6,6	0,8	7,9	6,3	8	24,8	6	12	100



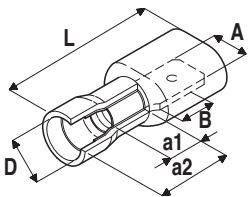
PVC TOTALLY INSULATED female push-on



Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D	A	blade thickness	B	L	a1	a2	
11235125	Red	0,25 ÷ 1,5	22 ÷ 16	4	3,2	0,5	6,4	20	5	10	100
11235128	Red	0,25 ÷ 1,5	22 ÷ 16	4	3,2	0,8	6,4	20	5	10	100
11235148	Red	0,25 ÷ 1,5	22 ÷ 16	4	5,0	0,5	6,4	21,5	5	10	100
11235153	Red	0,25 ÷ 1,5	22 ÷ 16	4	5,0	0,8	6,4	21,5	5	10	100
11235163	Red	0,25 ÷ 1,5	22 ÷ 16	4	6,6	0,8	7,9	23,5	5	10	100
11235248	Blue	1,5 ÷ 2,5	16 ÷ 14	4,5	5,0	0,5	6,4	21,5	5	11	100
11235253	Blue	1,5 ÷ 2,5	16 ÷ 14	4,5	5,0	0,8	6,4	21,5	5	11	100
11235263	Blue	1,5 ÷ 2,5	16 ÷ 14	4,5	6,6	0,8	7,9	23,5	5	11	100
11235463	Yellow	4 ÷ 6	12 ÷ 10	5,7	6,6	0,8	7,9	24	6	12	100



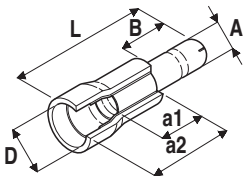
PVC TOTALLY INSULATED male push-on



Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D	A	blade thickness	B	L	a1	a2	
11236163	Red	0,25 ÷ 1,5	22 ÷ 16	3,9	6,3	0,8	8	23,4	5	10	100
11236263	Blue	1,5 ÷ 2,5	16 ÷ 14	4,4	6,3	0,8	8	23,4	5	11	100
11236463	Yellow	4 ÷ 6	12 ÷ 10	6,6	6,3	0,8	8	26,5	6	12	100



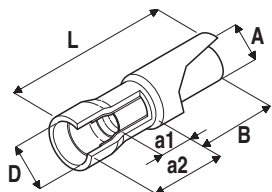
PVC BULLETS



Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D	A	B	L	a1	a2		
11240148	Red	0,25 ÷ 1,5	22 ÷ 16	3,8	4	8,5	20,5	5	10	100	
11240248	Blue	1,5 ÷ 2,5	16 ÷ 14	4,3	4	8,5	20,5	5	10	100	
11240448	Yellow	4 ÷ 6	12 ÷ 10	5,7	5	8,5	24,5	6	14	100	



PVC SOCKETS



Code	Colour	Section		Dimensions (mm)							Bag pcs
		(mm ²)	(AWG)	D	A	B	L	a1	a2		
11241148	Red	0,25 ÷ 1,5	22 ÷ 16	4	4	8,5	24,5	5	11	100	
11241248	Blue	1,5 ÷ 2,5	16 ÷ 14	4,5	4	8,5	25	5	11	100	
11241448	Yellow	4 ÷ 6	12 ÷ 10	5,7	5	8,5	25,5	6	14	100	

HEAT SHRINKABLE BUTT CONNECTOR



TECHNICAL DATA

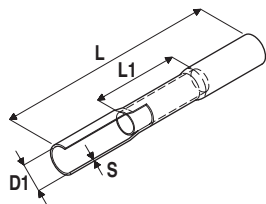
Properties	Test method	Results
Physical Shrinking Temperature Working Temperature Tensile Strength Elongation Longitudinal change after shrinkage	100°C da -55 a +125°C ASTM D 2671 ASTM D 2671 ASTM D 2671	27 MPa 450% 10% max
Thermal Heat shock 4 hrs at + 175 °C Flexibility at low temperatures -55°C Thermal resistivity (168 hrs at 165°C)	ASTM D 2671 ASTM D 2671	No cracking or flowing. Doesn't break. No sign.
Electrical Electric strength	ASTM D 2671	30 kv/mm ²
Chemical Good resistant to fluids (24 hrs at 23°C)	ASTM D 2671	Good.

Characteristics

The but connectors are covered by a heat-shrinkable tube with a special adhesive inside granting a perfect "sealing".



Tools for terminals, see pages 112; 124.



HEAT THERMO-SHRINKABLE BUTT CONNECTOR

Code	Colour	Section (mm ²)	Dimensions (mm)				Bag pcs
			L	L1	D1	S	
11221140		0,5 - 1,5	36	15,0	5,4	0,47	100
11221250		1,5 - 2,5	36	15,0	5,8	0,56	100
11221465		4,0 - 6,0	41	15,2	6,0	0,57	100

Tool, see page 96.

COPPER LUGS



Characteristics:

Material:
Electrolitic tinned copper, purity grade 99,9%

According to the norm:
IEC 1238-1:1993

Applications

- Electrical panel building.
- Industrial wiring.

Characteristics

Product obtained by plates of pure electrolitic copper (99,9%) with high conductivity, hot-treated in order to get the maximum malleability as well as the easiest compression during the crimping operations. The process of electrolitic tin plating ensures the best protection against oxidation. They are provided with an hole for the inspection of the conductor. Every lug is marked with the section of the wire and with the screw diameter.

Benefits

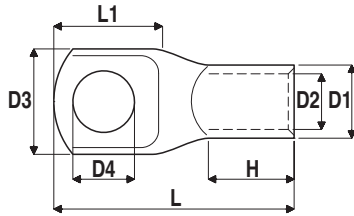
The hot-treatment grants the best crimping operation, the particular wire countersinking the easiest insertion of the wire.



Tools for copper lugs, see pages 125-126.



COPPER LUGS section 1,5÷300 mm²

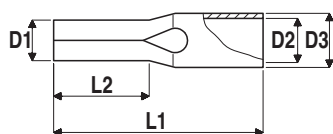


Code	Section (mm ²)	Screw Ø	Dimensions (mm)							Bag pcs	Carton pcs
			D1	D2	D3	D4	L1	H	L		
11301004	1,5	5	4,0	2,4	8,7	5,3	10,0	5,0	19,0	100	2.000
11301005		6	4,0	2,4	10,0	6,4	11,0	5,0	21,0	100	2.000
11301008	2,5	4	4,3	2,7	8,7	4,3	10,0	5,0	19,0	100	2.000
11301009		5	4,3	2,7	8,7	5,3	10,0	5,0	19,0	100	2.000
11301010		6	4,3	2,7	10,3	6,4	12,0	5,0	21,0	100	1500
11301012	4	5	4,8	3,1	8,7	5,3	10,0	8,0	21,5	100	1500
11301013		6	4,8	3,1	10,3	6,4	12,0	8,0	23,5	100	1000
11301014		8	4,8	3,1	12,5	8,3	17,0	8,0	28,5	100	1000
11301016	6	5	5,5	3,8	10,3	5,3	13,0	13,0	26,0	100	1000
11301018		6	5,5	3,8	10,3	6,4	13,0	13,0	26,0	100	1000
11301019		8	5,5	3,8	13,9	8,3	16,6	13,0	29,0	100	800
11301022	10	5	6,9	4,7	11,9	5,3	12,5	12,0	27,5	100	700
11301023		6	6,9	4,7	11,9	6,4	12,5	12,0	27,5	100	600
11301024		8	6,9	4,7	13,5	8,3	15,5	12,0	30,5	100	500
11301025		10	6,9	4,7	15,0	10,5	15,5	13,0	30,5	100	500
11301028	16	5	7,8	5,6	11,9	5,3	12,0	12,5	27,5	100	500
11301029		6	7,8	5,6	11,9	6,4	12,0	12,5	27,5	100	500
11301030		8	7,8	5,6	13,5	8,3	15,5	13,5	31,0	100	500
11301031		10	7,8	5,6	16,0	10,5	16,0	14,0	31,5	100	400
11301032		12	7,8	5,6	17,0	13,0	22,0	14,0	37,5	100	300
11301036	25	6	9,5	7,1	13,5	6,4	16,0	14,5	34,0	50	600
11301037		8	9,5	7,1	13,5	8,3	16,0	14,5	34,0	50	500
11301038		10	9,5	7,1	16,0	10,5	19,0	15,0	37,0	50	500
11301039		12	9,5	7,1	18,0	13,0	22,0	15,0	40,0	50	500
11301041	35	6	11,0	8,2	15,7	6,4	18,0	14,0	39,0	50	400
11301042		8	11,0	8,2	15,7	8,3	18,0	16,0	39,0	50	400
11301043		10	11,0	8,2	15,7	10,5	20,0	16,0	43,0	50	350
11301044		12	11,0	8,2	18,0	13,0	20,0	17,5	43,0	50	300
11301051	50	6	12,5	9,5	17,9	6,4	18,0	18,0	45,0	20	240
11301052		8	12,5	9,5	17,9	8,4	18,0	18,0	45,0	20	240
11301053		10	12,5	9,5	17,9	10,5	22,0	18,0	49,0	20	200
11301054		12	12,5	9,5	17,9	13,0	22,0	18,0	49,0	20	200
11301055		14	12,5	9,5	22,0	14,5	27,0	18,0	54,0	20	200
11301056		16	12,5	9,5	26,4	16,5	32,0	18,0	54,0	20	120
11301064	70	8	15,0	11,5	21,5	8,3	18,0	22,0	47,6	20	160
11301065		10	15,0	11,5	21,5	10,5	22,0	22,0	51,6	20	160
11301066		12	15,0	11,5	21,5	13,0	22,0	22,0	51,6	20	160
11301067		14	15,0	11,5	21,5	14,5	30,0	22,0	60,0	20	120
11301068		16	15,0	11,5	21,5	16,5	30,0	22,0	60,0	20	120
11301075	95	8	17,0	13,5	24,7	8,3	22,0	26,0	55,8	20	120
11301076		10	17,0	13,5	24,7	10,5	22,0	26,0	55,8	20	120
11301077		12	17,0	13,5	24,7	13,0	22,0	26,0	55,8	20	120
11301078		14	17,0	13,5	24,7	14,5	33,0	26,0	66,8	20	120
11301079		16	17,0	13,5	24,7	16,5	33,0	26,0	66,8	20	120
11301086	120	8	20,0	15,6	28,9	8,3	33,0	26,0	72,5	10	80
11301087		10	20,0	15,6	28,9	10,5	33,0	26,0	72,5	10	80
11301088		12	20,0	15,6	28,9	13,0	33,0	26,0	72,5	10	80

Code	Section (mm ²)	Screw Ø	Dimensions (mm)							Bag pcs	Carton pcs
			D1	D2	D3	D4	L1	H	L		
11301089	120	14	20,0	15,6	28,9	14,5	33,0	26,0	72,5	10	80
11301090		16	20,0	15,6	28,9	16,5	33,0	26,0	72,5	10	80
11301097	150	10	21,0	16,5	30,4	10,5	33,0	32,0	79,0	10	70
11301098		12	21,0	16,5	30,4	13,0	33,0	32,0	79,0	10	70
11301099		14	21,0	16,5	30,4	14,5	33,0	32,0	79,0	10	70
11301100		16	21,0	16,5	30,4	16,5	33,0	32,0	79,0	10	70
11301107	185	12	23,6	18,4	34,0	13,0	34,0	34,0	85,0	10	50
11301108		14	23,6	18,4	34,0	14,5	34,0	34,0	85,0	10	50
11301109		16	23,6	18,4	34,0	16,5	34,0	34,0	85,0	10	50
11301110		20	23,6	18,4	34,0	21,0	34,0	34,0	85,0	10	50
11301116	240	12	26,4	21,2	38,4	13,0	38,4	36,0	91,0	5	40
11301117		14	26,4	21,2	38,4	14,5	38,4	36,0	91,0	5	40
11301118		16	26,4	21,2	38,4	16,5	38,4	36,0	91,0	5	40
11301119		20	26,4	21,2	38,4	21,0	38,4	36,0	91,0	5	40
11301123	300	16	28,6	23,4	41,7	16,5	41,7	38,0	97,0	5	30



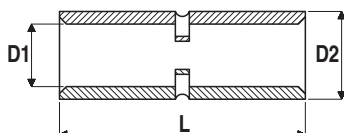
COPPER PIN TERMINALS sec. 6÷50 mm²



Code	Section (mm ²)	L2	L1	Dimensions (mm)			Bag pcs	Carton pcs
				D2	D1	D3		
11307006	6	10	15,8	3,6	3,6	5,6	100	1500
11307010	10	13,2	24,1	4,8	4,3	6,8	100	1000
11307016	16	18,2	34,3	6,0	5,3	8,0	100	600
11307025	25	18,5	38,0	7,0	7,0	9,0	100	400
11307035	35	18,8	43,4	8,2	7,0	10,2	100	200
11307050	50	19,2	50,5	9,5	8,4	12,0	50	150



BUTT COPPER TUBE TERMINALS sec. 6÷300 mm²



Code	Section (mm ²)	L (mm)	Dimensions (mm)		Bag pcs	Carton pcs
			D1	D2		
11308003	6	25,5	3,5	5,2	100	1000
11308004	10	30,0	4,5	6,5	100	600
11308005	16	32,5	5,5	7,5	100	400
11308007	25	35,5	7,0	9,5	50	500
11308008	35	40,5	8,5	11,0	50	300
11308009	50	40,5	10,0	13,0	20	260
11308010	70	45,5	11,5	15,0	20	140
11308011	95	50,5	13,5	18,0	20	100
11308012	120	65,5	15,0	19,5	10	90
11308013	150	70,5	16,5	22,0	10	70
11308014	185	75,5	19,0	25,0	10	50
11308015	240	80,5	21,0	27,5	5	40
11308016	300	90,5	23,5	30,5	5	15