

Product Catalogue



CABLE CONNECTION TECHNIQUE

Single Connectors



ARCUS ELEKTROTECHNIK
ALOIS SCHIFFMANN GMBH

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We permanently strive to improve products and reserve the right to change design, dimensions or material.

Cable cross sections mentioned refer to DIN VDE 0295.

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Dear reader !

This catalogue will give you an overview of our range of single connectors and accessories. We have arranged these products in different groups to have them clearly structured and facilitate identification. All important details are listed in a table and supported by illustrations.

In case of uncertainties how to find a product or how to select a suitable one, please contact us. You will find our contact details on the reverse side of this catalogue.

ARCUS Schiffmann offers you a vast range of single connectors and accessories and furthermore will be pleased to support you in selecting the most suitable product.



This service is a matter of course for us !

Why single connectors...

It is daily business to connect a mains cable to a branch cable, especially in low voltage cable networks, for instance for a house service connection.

In these cases the mains cable will be stripped at the installation point and the conductor insulation will be removed. Then branch conductors are connected with simple uninsulated tap-off clamps.

Live installation of course is impossible under such conditions, so the mains cable and all connected consumers are without electric energy until the job is done.

To minimise disturbance of consumers and to increase working safety for the electrician, insulated single connectors were developed, to be installed on insulated conductors.

These connectors are provided with insulation-piercing teeth, cutting edges or screws which spare removal of insulation from conductors, and enable live installation when used with personal protection equipment and insulated tools, under observation of corresponding regulations.

Required installation time is reduced significantly and at the same time safety of the jointer is increased.

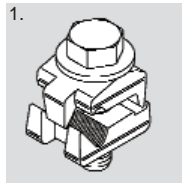
Furthermore impairment of cable and thus danger of damage (ingress of moisture, breaking of strands) is reduced because the insulation as conductor protection remains nearly intact.

If you should not find the product that you look for on the following pages, please contact us !

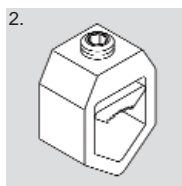


DESIGN CHARACTERISTICS:

ARCUS Direct Terminals are available in two designs:



As **flat direct terminal** with top part and bottom part for use in service boxes, cable distribution cabinets and substation terminal blocks (see page 19).



As **V-type direct terminal** for connection to circuit bars with V-shaped bar ends (see page 20).

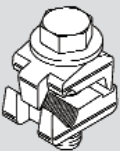
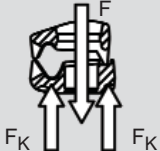


Tin-plated direct terminals are suitable for connection of stranded copper conductors and solid or stranded aluminium conductors.

All parts of the connection barrel in contact with conductors are grooved.

RECOMMENDED TORQUE:

Whilst pressure force (F) of flat direct terminals is bisected due to additional support of top clamp part, pressure force (F) of screws in V-shaped direct terminals will directly merge into contact force (F_K).

Please take our recommended torques for flat direct terminals and V-type direct terminals from the following table.

Type	Partitioning of pressure	Effective contact pressure on conductor	Recommended torque
		$F_K \sim 1/2 F$	40 Nm (Screw M12)
		$F_K = F$	25 Nm

TESTING:

ARCUS Direct Terminals are tested to DIN VDE 0220 part 1.

Technical information transformer clamps and connection terminals

General

Universal barrel shape
for round and sectorial 3- and 4-core cables of 120-300 mm².

Cross bracings
prevent bending of terminal top when tightened excessively.

Force fitted hexagons
secure nuts reliably against coming loose and supersede counterholding during installation. (see picture 1, 3 and 4).

Conical spring washers
for compensation of creep deformation of aluminium conductors.

Lateral stops
save insertion of a dummy conductor into the second connection barrel when only one conductor is connected.

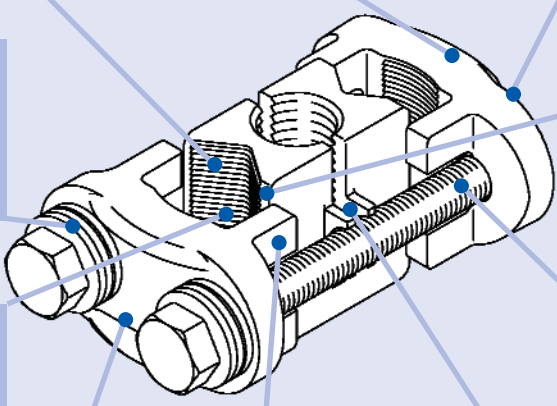
Serrated connection areas
improve contact transition between terminal and conductor.

Long elongation screws
provide stable contact conditions and a continuous current resistant connection by elastic elongation.

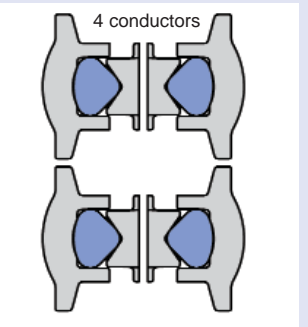
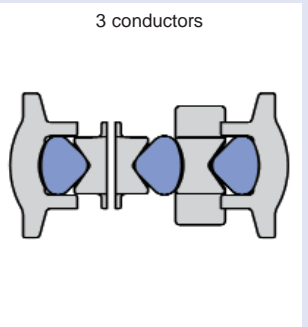
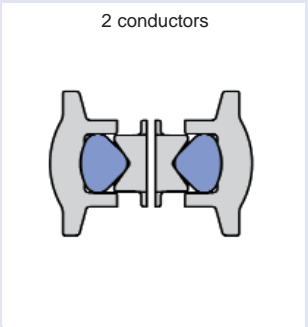
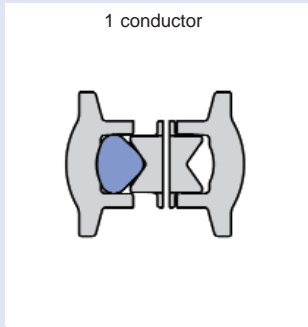
Tin-plated surfaces
allow usage on aluminium conductors as well as on copper conductors.

Lateral noses
prevent angular traction of top parts and escape of strands.

Longitudinal-slotted connector barrel
makes separate connection of transformer bolt and conductor unnecessary.



Number of Conductor Connections:



Parallel branch terminals for control wires of cables with auxiliary wires



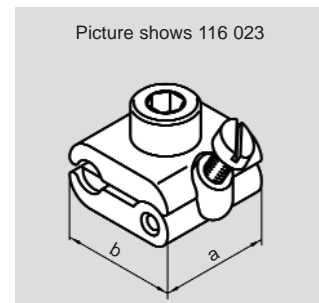
Reliable contact by piercing of main conductor insulation with cross cuttings. Separate installation of branch conductor from mains conductor to prevent shifting of live mains conductor during installation.



Terminal parts secured against torsion to each other.



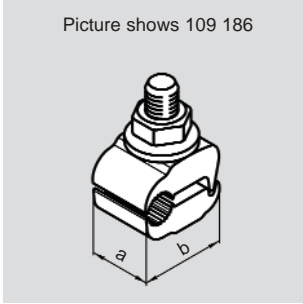
Material	
Connector	Electrolytic copper
Contact screw (mains)	Copper alloy
Contact screw (branch)	Copper alloy








Cross Section [mm ²]		Connector						Packing Unit	Type Number
Mains	Branch	Dimensions [mm]		Screw				Pieces	
		a	b	KS DIN 475	Thread DIN 13	number	grade		
1.5-6	1.5-2.5	16	19	4	M 5	1	Cu 60	100	116 023
				slotted	M 3	1 ¹⁾	Ms		

1) Contact screw (branch)

Parallel tap-off clamps



-  Due to minimum dimensions specially suitable for cast resin joints.
-  Suitable for solid and stranded cable conductors.
-  No evasion of mains conductor by overlapping grippers.
-  Also suitable for use as neutral connection clamp.
-  Insulation caps fitting to branch terminals can be found on page 11.

Material	
Connector	Copper alloy
Screws	Galvanised steel
Conical spring washer	Galvanised spring steel

Cross section [mm ²]		Connector						Packing Unit	Type Number
Mains	Branch	Dimensions [mm]		Screw				Pieces	
		a	b	KS DIN 475	Thread DIN 13	number	grade DIN 267		
Ø 8	1.5-2.5 RE	18	26	13	M 8 ¹⁾	1	8.8	50	109 186 ²⁾
6 RE-70	6 RE-35	18	32	13	M 8	1	8.8	50	109 042
		18	32	13	M 8 ¹⁾	1	8.8	100	198 085
50-150	16-50 2x 16	20	39	13	M 8	1	8.8	50	109 043
		20	39	13	M 8 ¹⁾	1	8.8	50	198 084

Explanation cross sections: R=round, E=solid
 1) Stud
 2) Galvanised

Insulation covers for parallel tap-off clamps



Protection of exposed terminals against accidental touch.



Simple installation by pressing.



Simple disassembly of sealed cable terminals with insulation cover.

Material	
Black caps	Soft rubber

for Tap-off Clamp		Type Number
Type Number	Page	
109 042	10	109 050
109 043	10	109 051

Picture shows 109 050



Picture shows 109 051

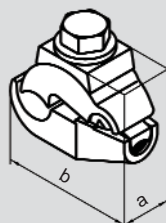


T-type tap-off clamps

Picture shows 109 001



Picture shows 109 003



Picture shows 109 004



Picture shows 109 120



Material	
Connector	Copper alloy
Screws	Galvanised steel
Spring elements and conical spring washers	Galvanised spring steel



Advantageous storage due to universal usage with large cross-sectional ranges.



Stable contact behaviour, especially on aluminium conductors, due to compensation of creepage by means of spring elements.



Pivoting pressure piece in top connector part to secure uniform partitioning of contact pressure, independent from cross sectional proportion of conductors.



Finely serrated connection channels for improved contact.



Advantageous division of space with T-branches, especially in house service joints.



Also suitable for use as neutral connection clamp.







Insulation caps for branch terminals can be found on page 13.



Installation tools can be found on page 27.

Cross section [mm ²]		Connector								Packing Unit	Type Number
Mains	Branch	Dimensions [mm]		Screw						Pieces	
		a	b	outer hexagon	inner hexagon	KS DIN 475	Thread DIN 13	number	grade		
6-50	4-25	15	31	•		10	M 6	1	8.8	100	109 001
		15	31		•	5	M 6	1	8.8	100	109 169
50-120	6-50	18	44	•		13	M 8	1	8.8	50	109 003
		18	44	•		13	M 8	1	A2-70	50	198 395
		18	44		•	6	M 8	1	8.8	50	109 170
		33	44	•		13	M 8	2	8.8	30	109 004
70-150	50-70	42	57	•		13	M 8	2	8.8	15	109 006
95-150	95-150	47	62	•		13	M 8	2	8.8	12	109 120
120-185	6-50	18	48	•		13	M 8	1	8.8	50	109 007
		18	48		•	6	M 8	1	8.8	50	109 171
150-240	120-185	54	75	•		17	M 10	2	8.8	8	109 121

Insulation covers for T-type tap-off clamps

-  Protection of exposed terminals against accidental touch.
-  Transparent caps enable visual inspection of enclosed connector.
-  Simple installation by pressing.
-  Simple disassembly of sealed cable terminals with insulation cover.

Material	
Transparent caps	PVC

for Tap-off Clamp		Type Number
Type Number	Page	
109 001	12	109 027
109 003	12	109 028
109 004	12	109 118
109 006	12	109 119
109 169	12	109 172
109 170	12	109 173
109 171	12	109 174



Parallel tap-off clamps for sectorial mains conductors



Advantageous storage due to universal usage with large cross-sectional ranges.



Due to minimum dimensions specially suitable for cast resin joints.



Suitable for solid and stranded cable conductors.



No rounding of conductor, connection channels suitable for round and sectorial conductors.



Stable contact behaviour, especially on aluminium conductors, due to compensation of creepage by means of spring elements.



Finely serrated connection channels for improved contact.



Also suitable for use as neutral connection clamp.



Mutual connection of two branches.

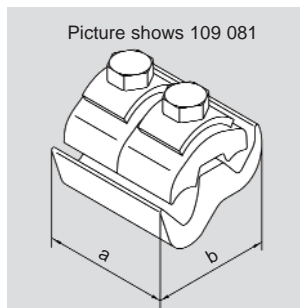
Picture shows 109 060



Picture shows 109 061



Picture shows 109 081



Picture shows 109 063



Material	
Connector	Copper alloy, uncoated or tin-plated
Screw	Galvanised steel
Spring elements and conical spring washers	Galvanised spring steel

Cross Section [mm ²]		Connector							Packing Unit	Type Number	
Mains	Branch	uncoated	tin-plated	Dimensions [mm]		Screw				Pieces	
				a	b	KS DIN 475	Thread DIN 13	number	grade DIN 267		
35-70 SE 25-50 SM	6-35 RE 6-35 RM	•		16	28	11	M 7	1	8.8	100	109 060
			•	16	28	11	M 7	1	8.8	100	109 150
		•		32	28	11	M 7	2	8.8	50	109 062
			•	32	28	11	M 7	2	8.8	50	109 151
70-150 SE 50-120 SM	16-70 RE 16-70 RM	•		20	40	13	M 8	1	8.8	50	109 061
			•	20	40	13	M 8	1	8.8	50	109 154
		•		40	40	13	M 8	2	8.8	25	109 063
			•	40	40	13	M 8	2	8.8	25	109 155
70-185 SE 50-150 SM	16-70 RM 16-95 SE 95 SM	•		23	44	13	M 8	1	8.8	20	109 080
			•	23	44	13	M 8	1	8.8	20	109 156
70-185 SE 50-150 SM	16-120 RM 150 SE 120 SM	•		47	44	13	M 8	2	8.8	15	109 081
			•	47	44	13	M 8	2	8.8	15	109 157

Explanation cross sections: R=round, S=sectorial, E=solid, M=stranded

Parallel insulation-piercing tap-off clamps, insulated

Picture shows 109 214



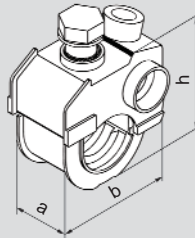
Picture shows 198 388



Picture shows 198 414



Picture shows 109 214



Suitable for live installation without stripping of mains conductor.



Separate installation of branch conductor from mains conductor to prevent shifting of live mains conductor during installation.



No evasion of mains conductor as connection channel is closed with a slide.



Reliable contact by piercing of main conductor insulation with insulation-piercing screws and cross cuttings.



Strengthening of material and increased stability of up to 50% in contact area.



Advantageous storage due to universal usage with large cross-sectional ranges.



Simple installation with fully-insulated T-box wrench. (see pages 24 and 27).

Material	
Contact screw (mains)	Electrolytic copper, tin-plated
Contact screw (branch)	Galvanised steel
Screw head (109 214, 198 408, 198 414)	Plastic glassfibre-reinforced
Insulated housing	Plastic glassfibre-reinforced
Connector	Copper alloy, tin-plated

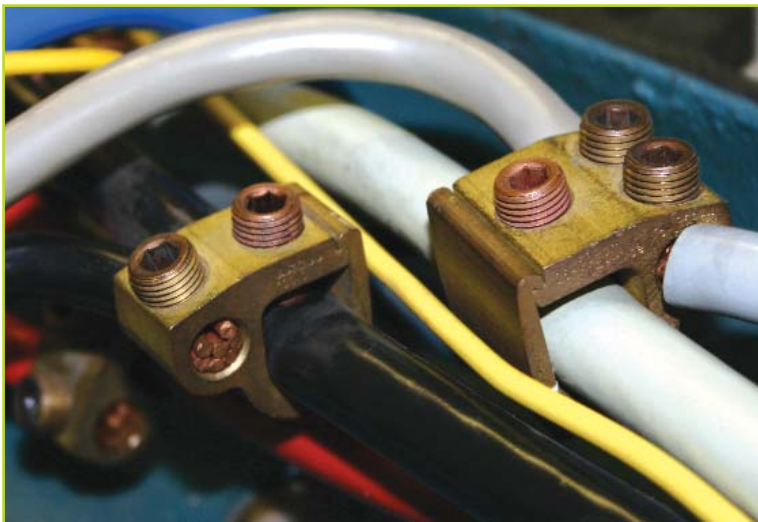
Cross Section [mm ²]		Connector									Packing Unit	Type Number
Mains	Branch	Dimensions [mm]			Contact Screw						Pieces	
		a	b	h	outer hexagon	inner hexagon	KS DIN 475	Thread DIN 13	number	torque [Nm]		
16 RE-150 SE	2.5-50 RM	25	45	45	•		13	M 10 x 1	1	14	10	109 214
						•	5	M 10	1 ¹⁾	---		
16 RE-150 SE	2.5-70 SE	25	45	45		•	5	M 10 x 1	1	15-20	10	198 388
						•	5	M 10	1 ¹⁾	---		
16 RE-150 RM	2.5-50 RM	25	45	50	•		13	M 10 x 1	1	14	10	198 408
						•	5	M 10	1 ¹⁾	---		
16 RE-150 RM	35RE-95 RM	25	45	50	•		13	M 10 x 1	1	14	10	198 414 ²⁾
						•	5	M 10	1 ¹⁾	---		

Explanation cross sections: R=round, S=sectorial, E=solid, M=stranded

1) Contact screw (branch)

2) This single connector is to be used only on neutral conductors or ground conductors

Parallel insulation-piercing tap-off clamps



Suitable for live installation without stripping of mains conductor.



Separate installation of branch conductor from mains conductor to prevent shifting of live mains conductor during installation.



No evasion of mains conductor as connection channel is closed with a slide.



Reliable contact by piercing of main conductor insulation with insulation-piercing screws and cross cuttings.



Strengthening of material and increased stability of up to 50% in contact area.



Advantageous storage due to universal usage with large cross-sectional ranges.



Simple installation with fully-insulated T-box wrench (see page 24).

Picture shows 109 094



Picture shows 109 097



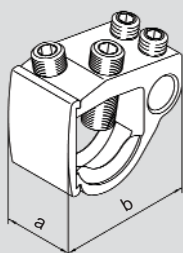
Picture shows 109 098



Picture shows 109 127



Picture shows 109 127



→ Overview of connectors on page 17

Material	
Connector	Copper alloy, uncoated or tin-plated
Insulation piercing screw	Copper alloy, uncoated or tin-plated
Contact screw (branch)	Galvanised steel

Parallel insulation-piercing tap-off clamps

Cross Section [mm ²]		Connector								Packing Unit	Type Number
Mains	Branch	Dimensions [mm]				Contact Screw				Pieces	
		uncoated	tin-plated	a	b	KS DIN 475	Thread DIN 13	number	torque [Nm]		
25-70 RM 50-70 SE 35-50 SM	2.5-16 RM / 25 RE	•		16	32	5	M 10 x 1	1	15	30	198 025
						5	M 10	1 ¹⁾	-		
25-70 RM 50-70 SE 35-50 SM	6-150	•		27	43	5	M 10 x 1	1	15	20	109 158
						5	M 10	2 ¹⁾	-		
25-70 RM 50-70 SE 35-50 SM	16-35 RM / 50 RE	•		16	32	5	M 10 x 1	1	15	30	109 094
						5	M 10	1 ¹⁾	-		
		•		16	32	5	M 10 x 1	1	15	30	198 119
						5	M 10	1 ¹⁾	-		
		•		27	32	5	M 10 x 1	1	15	20	109 095
						5	M 10	2 ¹⁾	-		
25-70 RM 50-70 SE 35-50 SM	16-50 RM / 70 RE	•		16	32	5	M 10 x 1	1	15	30	198 224
						5	M 10	1 ¹⁾	-		
70-150 RM 70-150 SE 70-120 SM	2,5-16 RM / 25 RE	•		18	43	5	M 12 x 1	1	20	30	198 026
						5	M 10	1 ¹⁾	-		
70-150 RM 70-150 SE 70-120 SM	6-150	•		32	52	5	M 12 x 1	2	20	20	109 159
						5	M 10	2 ¹⁾	-		
70-150 RM 70-150 SE 70-120 SM	16-35 RM / 50 RE	•		18	43	5	M 12 x 1	1	20	30	198 208
						5	M 10	1 ¹⁾	-		
		•		18	43	5	M 12 x 1	1	20	30	109 096
						5	M 10	1 ¹⁾	-		
		•		27	43	5	M 12 x 1	1	20	20	109 097
						5	M 10	2 ¹⁾	-		
70-150 RM 70-150 SE 70-120 SM	16-50 RM / 70 RE	•		18	43	5	M12 x 1	1	20	30	198 225
						5	M 10	1 ¹⁾	-		
70-150 RM 70-150 SE 70-120 SM	50-70 RM / 95 RE	•		32	43	5	M 12 x 1	2	20	10	109 098
						5	M 10	2 ¹⁾	-		
95-240	16-95 RM 120 RE	•		30	58	5	M 12 x 1	2	20	10	109 127
						5	M 10	2 ¹⁾	-		

Explanation cross sections: R=round, S=sectorial, E=solid, M=stranded
1) Contact screw (branch)

Connection clamps for earth and neutral conductors



Separate connection channels for mains and branch conductor.



Secure connection of concentric ceander sheath with neutral conductor of branch cable and joint.



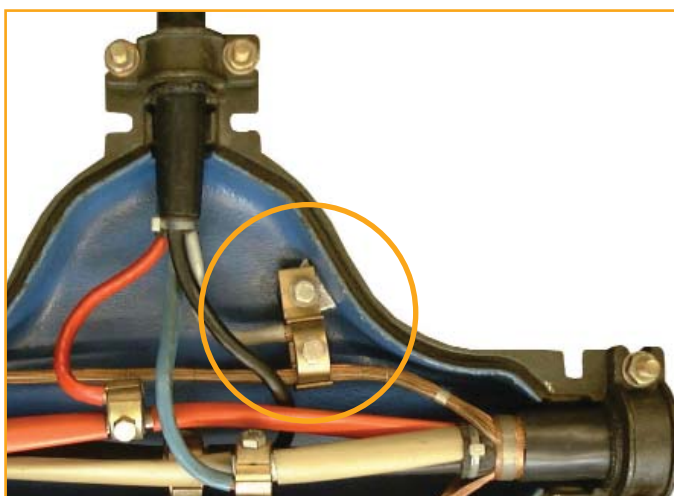
Advantageous storage due to universal usage with large cross-sectional ranges.



Contact on all untwisted ceander wires through connection channels with grippers and high shoulders.



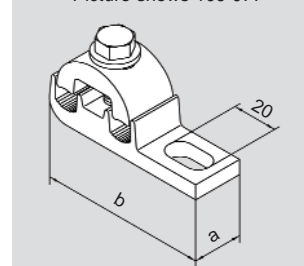
Type 109 179 especially suitable for smallest cast iron joints.



Picture shows 109 179



Picture shows 109 077



Picture shows 109 090



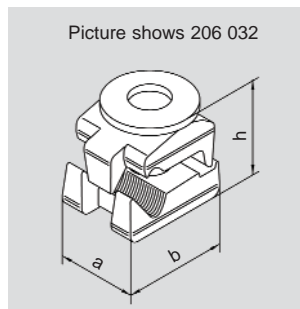
Material	
Connector	Copper alloy, uncoated or tin-plated
Screws	Galvanised steel
Conical spring washers	Galvanised spring steel

Cross Section [mm ²]		Connector							Packing Unit	Type Number	
Mains	Branch	uncoated	tin-plated	Dimension [mm]			Screw			Pieces	
				a	b	suitable for earthing screw	KS DIN 276	Thread DIN 13	grade DIN 267		
16-95	16-95	•		20	42	-	13	M 8	8.8	50	109 179
				20	42	-	13	M 8 ¹⁾	8.8	50	109 184
				20	42	-	13	M 8	8.8	50	109 185
				22	73	M 10	13	M 8	8.8	40	109 077
				22	73	M 10	13	M 8	8.8	40	109 090
				22	73	M 12	13	M 8	8.8	40	109 087
				22	73	M 12	13	M 8	8.8	40	109 091

1) Fixation of single parts by o-ring

Aluminium flat direct terminals for connection of cable conductor ends to circuit bars or flat bars

→ Technical information on page 7



Finely serrated connection channel and connection area for improved contact.

Material	
Connectors made of aluminium alloy	
Connector	Aluminium alloy, hardened and tempered
Screws	Galvanised steel
Conical spring washers	Galvanised spring steel
Connectors made of copper alloy	
Connector	Copper alloy, tin-plated
Screws	Galvanised steel
Conical spring washers	Galvanised spring steel

Cross Section [mm ²]	Connector							Packing Unit Pieces	Type Number
	Dimensions [mm]			Screw					
	a	b	h	KS DIN 475	Thread DIN 13	number	grade DIN 267		
Direct terminals made of aluminium alloy with tin-plated lower part									
50 RE 35-150 SM 50-185 SE	28	38	32	19	M 12 x 55 ²⁾	1	8.8	30	206 024
	28	38	32	for switchgear: stud M 12 x 55 ¹⁾				50	206 032
Direct terminals made of aluminium alloy with tin-plated upper and lower part									
50 RE 35-150 SM 50-185 SE	28	38	32	19	M 12 x 55 ²⁾	1	8.8	30	206 033
	28	38	32	for switchgear: stud M 12 x 55 ¹⁾				50	206 034
50-120 SM 150 SE	28	33	32	19	M 12 x 50 ²⁾	1	8.8	30	206 014
Direct terminals made of copper alloy with tin-plated upper and lower part									
10-35 RM 35 SM 70 SE	20	25	25	for switchgear: stud M 8 x 35 ¹⁾				100	106 047
	20	25	25	13	M 8 x 35 ²⁾	1	8.8	50	106 052
50 RE 25-150 SM 50-185 SE	26	38	30	19	M 12 x 50 ²⁾	1	8.8	30	106 050
	26	38	30	for switchgear: stud M 12 x 50 ¹⁾				40	106 054

Explanation cross sections: R=round, S=sectorial, E=solid, M=stranded
 1) Check dimensions of stud before order
 2) Recommended torque: M 8 max. 22 Nm, M 12 = 40 Nm

V-type direct terminals for connection of cable conductor ends with V-shaped plates

→ Technical information on page 7

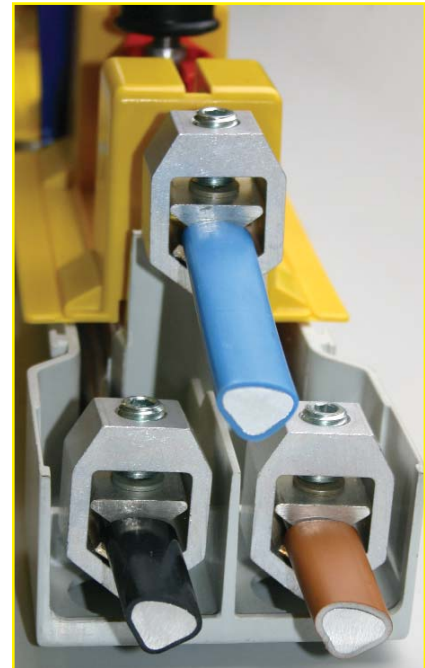


Finely serrated connection channel and connection area for improved contact.

Picture shows 206 028



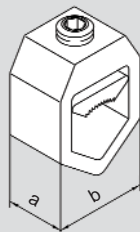
Picture shows 206 039



Material	
Pressure piece	Copper alloy, tin-plated
Screws	Galvanised steel
Conical spring washers	Galvanised spring steel
Frame	Aluminium alloy

Accessories	Type Number
V-shaped plates for 206 028 and 206 039	198 358
V-shaped plates for 206 019	198 359
Insulation cap for 206 028	206 029

Picture shows 206 028



Picture shows 206 029



Picture shows 198 358



Cross Section [mm ²]	Connector						Packing Unit Pieces	Type Number
	Dimensions [mm]		Contact Screw					
	a	b	KS DIN 475	Thread DIN 13	number	torque [Nm]		
Suitable for V-shaped plates 20x3								
16-95 SE 95 SM	18	28	5	M 10	1	25	50	206 019
Suitable for V-shaped plates 25x3, 25x5								
50-240 SE 35-185 SM	23	36	6	M 12	1	25	40	206 028
	23	36	6	M 12 ¹⁾	1	25	40	206 039

Explanation cross sections: S=sectorial, E=solid, M=stranded
1) Shear-head screw

Transformer clamps and connection terminals for transformer bushings DT 630 and DT 1000

→ Technical information on page 8



Advantageous storage due to universal usage with large cross-sectional ranges.



Best contact transition conditions and good protection against loosening by additional clamping of threaded connection element.



Finely serrated connection channel and connection area for improved contact.

Material	
Connector	Copper alloy, tin-plated
Screws	Galvanised steel
Conical spring washers	Galvanised spring steel
Nuts	Galvanised steel

Cables		Connector						Packing Unit	Type Number
Cross Section [mm ²]	Number	Type	Transformer stud	Screw				Pieces	
				KS DIN 475	Thread DIN 13	number	grade DIN 267		
120-240 RM 120-240 SM 150-300 SE	1-2	90° offset	M 20	17	M 10	2	8.8	4	105 027
	1-2		M 30 x 2	17	M 10	2	8.8	4	105 028
	1-3		M 20	17	M 10	2	8.8	3	105 029
	1-3		M 30 x 2	17	M 10	2	8.8	3	105 030
120-300 RM 120-240 SM 150-300 SE	1-2	straight	M 20	17	M 10	2	8.8	4	105 036
	1-2		M 30 x 2	17	M 10	2	8.8	4	105 037
	1-3		M 20	17	M 10	2	8.8	4	105 038
	1-3		M 30 x 2	17	M 10	2	8.8	4	105 039

Explanation cross section: R=round, S=sectorial, E=solid, M=stranded

Terminals for units with flat connection



Advantageous storage due to universal usage with large cross-sectional ranges.



Finely serrated connection channel and connection area for improved contact.



Bending friendly material, self-bending possible if required.

Picture shows 105 032



Picture shows 105 033



Picture shows 105 034

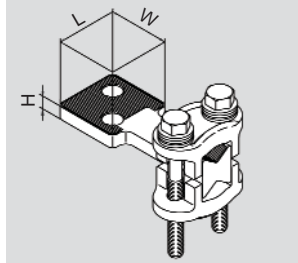


Picture shows 105 034 / 90°



Material	
Connector	Electrolytic copper, tin-plated
Screws	Galvanised steel
Conical spring washers	Galvanised spring steel
Nuts	Galvanised steel

Picture shows 105 033



Cables		Connector						Packing Unit	Type Number
Cross Section [mm ²]	Number	Flat Connection Dimensions [mm]		Screw				Pieces	
		W/L/H	Hole	KS DIN 475	Thread DIN 13	number	grade DIN 267		
120-240 RM 120-240 SM 150-300 SE	1-2	50x50x10	1x Ø14	17	M 10	2	8.8	4	105 032
			2x Ø14	17	M 10	2	8.8	4	105 033
			unpunched	17	M 10	2	8.8	4	105 034

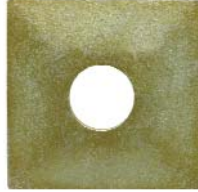
Explanation cross section: R=round, S=sectorial, E=solid, M=stranded

Contact plates, pressure plates and separating wedges

Picture shows 504 083



Picture shows 504 065



Contact plates for removal of oxide and foreign layers, elastically smooth out irregularities and create optimum contact connections.



Pressure plates stabilise contact behaviour through compensation of creepage deformation, especially with aluminium, by means of spring elements.

Contact and Pressure Plates	Dimensions [mm]	for Transformer Stud	Packing	Type Number
			Pieces	
Contact plate	40 x 30	M 12	100	504 083
Pressure plate	30 x 30	M 12	200	504 064
Pressure plate	40 x 40	M 12	100	504 065
Pressure plate	40 x 40	M 16	100	504 066

Material

Contact plate	Copper alloy, hardened and tin-plated
Pressure plate	Spring steel, hardened and galvanized

Separating wedges

Picture shows 109 101



Picture shows 109 102



Separating wedges with high leakage current strength for uniform spacing of cable conductors.

Cables		Dimensions [mm]	Type Number
Cross Section [mm ²]	Number		
25-150	3	48 x 14	109 101
25-150	4	48 x 14	109 102

Installation Tool Box for Cables, Insulated Tools



Our installation tool box is compiled for installation works on low voltage cable networks, such as installation of service joints or connection joints, or connections to cable distribution boxes.

All tools are of high quality and VDE-tested, with impact resistant plastic insulation.

Tools are assembled in a rigid plastic case and have an optimum protection through tailored foamed inserts.

Installation Tool Box for Cables equipped

Scope of delivery, see below

620 162

SCOPE OF DELIVERY:



T-Box Wrench

Hexagon socket screw

SW 4

SW 5

SW 6

Type number

620 155

620 156

620 157



Angular Wrench

Hexagon socket screw

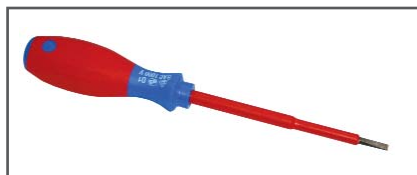
SW 5

SW 6

Type number

620 159

620 160



Screwdriver

75 x 2.5

100 x 3.5

125 x 5.5

150 x 6.5

Type number

620 101

620 102

620 103

620 104



Ratchet Wrench

ratchet wrench

(with insert KS 5)

insert KS 5

insert KS 6

Type number

620 090

620 137 05

620 137 06

Installation Tool Box for Cables, Insulated Tools



Torque Wrench
torque wrench 20 Nm
(inserts excluded)
insert KS 5
insert KS 6

Type number
620 147
620 148
620 149

Function:

ARCUS torque wrench is released after clockwise rotation.
When torque is reached, the release is audible and perceptible.

Testing:

ARCUS torque wrenches are supplied with test certificate and each with its own serial number.

Precision:

ARCUS torque wrenches are manufactured with release precision of ± 1 Nm.



Universal Pliers
length: 200 mm

Type number
620 096



Flat Pliers
length: 160 mm

Type number
620 097



Round Pliers
length: 160 mm

Type number
620 099



Insulation Stripping Tongs
length: 160 mm

Type number
620 100



Wire Cutting Pliers
length: 160 mm

Type number
620 098

Installation Tool Box for Cables, Insulated Tools



Cable Knife
fixed blade

Type number
620 105



Spreading Wedge
length: 120 mm

Type number
109 177



Plastic Folding Rule
length unfolded: 2000 mm
with metric markings

Type number
620 095



Case
inside dimensions: 410 x 360 x 90 mm
with foamed inlay

Type number
615 051



Spreading Wedge, long version

length: 198 mm

Type number

198 184



T-Handle Socket Wrench

- KS 10, 200 mm long
- KS 11, 200 mm long
- KS 12, 200 mm long
- KS 13, 200 mm long
- KS 14, 200 mm long
- KS 17, 200 mm long
- KS 19, 300 mm long
- KS 20, 300 mm long
- KS 22, 300 mm long
- KS 24, 300 mm long
- KS 27, 300 mm long
- KS 28, 300 mm long
- KS 30, 300 mm long
- KS 32, 300 mm long

Type number

- 620 031
- 620 032
- 620 033
- 620 034
- 620 035
- 620 036
- 620 037
- 620 038
- 620 039
- 620 040
- 620 041
- 620 042
- 620 043
- 620 044



Case made of synthetic material

with foamed inlay to take up one torque wrench and two inserts.

Type number

615 040

Note:

Products shown on this page are not part of the installation tool box (type no. 620 162) on page 24.

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