

Distribution transformer system

Crimp technology for connectors and conductors used in transformers.



ELPRESS

Crimping

– a system technology

By employing crimping, a reliable electrical joint between a conductor and a connector is achieved. High force and well-defined crimp geometry ensure these desirable properties. This implies, in practical terms, that crimping should always be a system technology.

Consequently, all individual parts used must be designed to work seamlessly together. Mixing different systems is therefore impractical and will result in a significant loss of performance.

A system is set up by

- Conductors
- Connectors
- Crimp tool
- Operators

The correct crimp tools and connectors within the **Elpress System** are carefully coordinated with the appropriate conductors by Elpress.

Conductor



For your safety

To ensure a secure connection, we provide certified solutions that integrate cables, terminals and tools. This ensures your confidence as a user when employing our systems, ensuring a secure connection through the proper handling of our products.

The system is developed and tested in compliance with applicable norms and current standards, such as IEC.

Tested Tools



Tested Connectors



Standards & Certifications



Service & Maintenance



Educated Team



Powering tomorrow with secure and sustainable connections.

Distribution transformers play a vital role in stepping down high-voltage electricity for local consumption, minimizing energy loss. Elpress, a world supplier of system solutions for crimping winding conductors and CTC's in combination with round cable types, takes the lead with secure terminals that optimize connectivity and reliability.

Distribution transformers, essential for power distribution, find a reliable ally in Elpress. With secure and sustainable solutions, Elpress sets the standard for efficient and resilient electrical connectivity, paving the way for a brighter future.



Al through connectors

Cat. No	Nom A [mm ²]	Winding* [mm ²]
AS16L	16	8,8-22
AS30L	30	22-40



Cu through connectors

Cat. No	Nom A [mm ²]	Winding* [mm ²]
KS10L	10	9,9-14
KSF16L	16	14-22
KSF20L	20	22-30



Reducer through connectors

Cat. No	Conductor Cu [mm ²]	
	Nom A [mm ²]	Winding* [mm ²]
KSF16-10L	16/10	14-22/9,9-14
KSF20-10L	20/10	22-30/9,9-14
KSF20-16L	20/16	22-30/14-22
KSF25-10L	25/10	30/47/9,9-14
KSF25-16L	25/16	30-47/14-22
KSF35-10L	35/10	45-70/9,9-14
KSF35-16L	35/16	45-70/14-22
KSF35-20L	35/20	45-70/22-30
KSF35-25L	35/25	45-70/30-47
KSF50-20L	50/20	69-103/22-30
KSF70-20L	70/20	100-120/22-30
KSF95-20L	95/20	113-161/22-30

*= applies to both rectangular and solid round conductors



AlCu through connectors

Cat. No	Al		Cu	
	Nom A [mm ²]	Winding* [mm ²]	Nom A [mm ²]	Winding* [mm ²]
AKS16L-10	16	8,8-22	10	9,9-14
AKS16L-16	16	8,8-22	16	14-22
AKS16L-20	16	8,8-22	20	22-30
AKS30L-10	30	20-40	10	9,9-14
AKS30L-16	30	20-40	16	14-22
AKS30L-20	30	20-40	20	22-30
AKS35L-10	35	35-50	10	9,9-14
AKS35L-16	35	35-50	16	14-22
AKS35L-20	35	35-50	20	22-30
AKS50L-10	50	50-70	10	9,9-14
AKS50L-16	50	50-70	16	14-22
AKS50L-20	50	50-70	20	22-30
AKS70L-16	70	70-100	16	14-22
AKS70L-20	70	70-100	20	22-30



AlCu Terminals

Cat. No	Nom A [mm ²]	Winding* [mm ²]	Screw
AKK16L-6	16	8,8-22	M6
AKK16L-8	16	8,8-22	M8
AKK16L-10	16	8,8-22	M10
AKK16L-12	16	8,8-22	M12
AKK30L-6	30	20-40	M6
AKK30L-8	30	20-40	M8
AKK30L-10	30	20-40	M10
AKK30L-12	30	20-40	M12



Cu-Tube Terminals

Cat. No	Nom A [mm ²]	Winding* [mm ²]	Screw
KR10-6L	10	9,9-14	M6
KR10-8L	10	9,9-14	M8
KR10-10L	10	9,9-14	M10
KR10-12L	10	9,9-14	M12
KRF16-6L	16	14-22	M6
KRF16-8L	16	14-22	M8
KRF16-10L	16	14-22	M10
KRF16-12L	16	14-22	M12
KRF20-6L	20	22-30	M6
KRF20-8L	20	22-30	M8
KRF20-10L	20	22-30	M10
KRF20-12L	20	22-30	M12

*= applies to both rectangular and solid round conductors

V600

V600 Cu

Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
10	9,9	14	6R5ML/6R5DL	TBK8ML/TBK8-10DL
16	14	22	6R6ML/6R6DL	TBK9ML/TBK8-10DL
20	22	30	6R7ML/6R7DL	TBK10ML/TBK8-10DL
25**	30	47		TB11L
35**	45	70		TB13L
50**	69	103		TB14,5L
70**	100	120		TB17L
95**	113	161		TB20L



V600 Al

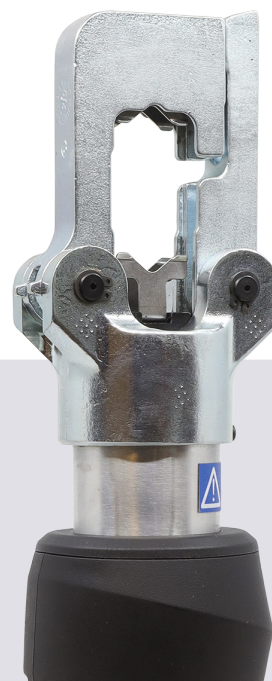
Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
16	8,8	22	6R6ML/6R6DL-AL	6P13M2/6P13D2
30	20	40	6R7,5ML/6R7,5DL-AL	6P13M2/6P13D2



*= applies to both rectangular and solid round conductors

**= hexagonal crimping

+
tools



V1300

V1300 Cu

Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
10	9,9	14	13R5ML-B/13R5DL-B	13PK8ML/13PK8-10DL
16	14	22	13R6ML-B/13R6DL-B	13PK9ML/13PK8-10DL
20	22	30	13R7ML-B/13R7DL-B	13PK10ML/13PK8-10DL
25**	30	47		13B11L
35**	45	70		13B13L
50**	69	103		13B14,5L
70**	100	120		13B17L
95**	113	161		13B20L



V1300 Al

Nominal connector area mm ²	Winding conductor cross section area*		Pre-rounding tool	Crimping tool
	min mm ²	max mm ²		
16	8,8	22	13R6ML-AL/13R6DL-AL	13P13M2/13P13D2
30	20	40	13R7,5ML-AL/13R7,5DL-AL	13P13M2/13P13D2
35	35	50	13R8ML-AL/13R8DL-AL	13P20M2/ 13P20D2
50	50	70	13R9ML-AL/13R9DL-AL	13P20M2/ 13P20D2
70	70	100	13R10ML-AL/13R10DL-AL	13P20M2/ 13P20D2



* = applies to both rectangular and solid round conductors

** = hexagonal crimping

pumps +



For more information regarding Elpress pumps, see separate leaflet or visit webpage.

www.elpress.net

PVX1300/PVX1300DB



Tested and certified battery-powered crimp tool for contact crimping Cu-terminals, type KR/KRF and KS/KSF 10-400 mm², Cu-windings 9,9-343 mm², Al-windings 8,8-100 mm², Al-terminals 10-400 mm² (-240 solid).

Properties:

- crimps Cu-conductors of type KRF-L up to 240 mm²
- ergonomic design ensures optimum balance in the user's hand
- crimp monitoring with warning light and signal when the correct pressure/full crimp is not achieved
- LED work lighting
- crimp force 124 kN (13 tons)
- crimps/charging: 60-120 depending on size and temperature
- crimp time: 4-12s depending on size
- usage temperature -20°C to +40°C
- Li-Ion Makita, 5.0 Ah, 18V
- charger Li-Ion Makita, charging time 22 min



mm ²	Name	Crimp geometry	Delivered
10-400	PVX1300-ADV	Punch, Dual, Hexagonal	CASE ADV
10-400	PVX1300	Punch, Dual, Hexagonal	Standard case
10-400	PVX1300-WOBC	Punch, Dual, Hexagonal	Standard case without battery and charger
10-400	PVX1300DB-ADV	Punch, Dual, Hexagonal	with 2 batteries and CASE ADV
10-400	PVX1300-WOBC-ADV	Punch, Dual, Hexagonal	CASE ADV and without battery and charger
10-300	PVX1300-ADV-US	Punch, Dual, Hexagonal	with battery and US-charger

PVX611/PVX611DB



Tested and certified battery-powered crimp tool for crimping Cu-terminals, type KR/KS 10 mm², KRF/KSF 16-150 mm², Cu windings 9,9-185 mm², Al-windings 8,8-40 mm², Al-terminals 10-30 mm². PVX611DB has an extra battery.

Properties:

- protects against dirt and dust through the closed chassis
- ergonomic design ensures optimum balance in the user's hand
- swivel opening crimp fork
- crimp force control using pressure monitoring
- one handed operation for easy work
- LED lighting for easier work
- fast-forward feeding for more efficient crimping
- display with information about the tool and service intervals
- crimp monitoring via display when the correct pressure/complete crimping is not achieved (warning light LED and signal)
- Li-Ion battery included (18 V, 2,0 Ah)



mm ²	Name	Crimp geometry	Delivered
10-240	PVX611	Punch, Hexagonal	with charger 230VAC
10-240	PVX611DB	Punch, Hexagonal	with 2 batteries
10-240	PVX611-US	Punch, Hexagonal	with charger 115VAC
10-240	PVX611-WOBC	Punch, Hexagonal	without battery and charger



V600



Tested and certified crimp head for crimping Cu terminals, type KR/KS 10 mm², KRF/KSF 16-150 mm², Cu windings 9,9-185 mm², Al-windings 8,8-40 mm², Al-terminals 10-30 mm².

Can be used together with the foot pump P4000 or the electrically powered pump PS710E/R (battery powered version of PS710E is also available).

Properties:

- working pressure 63 MPa (630 bar)
- crimp force 55 kN
- robust fabric bag with room for 10 dies included

mm ²	Name	Crimp geometry
10-150	V600	Punch, Hexagonal



V1300L



Tested and certified crimp head for crimping Cu-terminals, type KR/KRF and KS/KSF 10-400 mm², Cu-windings 9,9-343 mm², Al-windings 8,8-100 mm², Al-terminals 10-400 mm² (-240 solid). Used in conjunction with foot pump P4000 or the electrically powered pump PS710 (battery powered version of PS710E is also available).

Properties:

- crimps Cu-conductors of type KRF-L up to 240 mm²
- equipped with protective rubber coating on top of the fork and oil spray safety protection cap
- working pressure 63 MPa (630 bar)
- crimp force 130 kN (13 tons)
- versatile and easy-to-use steel crimp head

mm ²	Name	Crimp geometry
10-400	V1300L	Hexagonal, Punch

V611



Tested and certified hydraulic hand-held tool for crimping Cu-terminals, type KR/KS 10 mm², KRF/KSF 16-150 mm², Cu windings 9,9-185 mm², Al-windings 8,8-40 mm², Al-terminals 10-30 mm².

Properties:

- fast-feed to crimp engagement provides short crimp times
- crimp force 60 kN
- delivered in sturdy textile bag



mm ²	Name	Crimp geometry
10-150	V611	Punch, Hexagonal



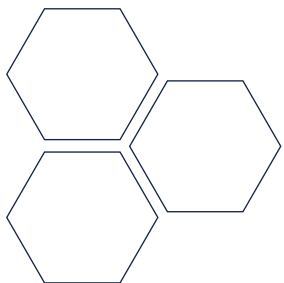
Our story.

We shall be a leader in our market, through safe and sustainable quality products. Since 1959, we have had an ongoing process of getting better at everything we do. We want our customers to feel confident that our curiosity and passion give us a leading role in creating products that are sustainable and fit the requirements of the future regarding electrification. We strive for our employees to feel proud to be part of our business, which has a rich history but also aims for a developing future.

We know that you can't just fall back on history and experience, but that you also have to aim upwards and forwards to meet the demands of the future. Our head office is in Sweden, but we are present all over the world with the help of subsidiaries, authorized partners and distributors.

Over the years, we have developed System Elpress, which is a unique system where we focus on safety when it comes to using the right tool for the right connection. System Elpress is represented by Academy, Certification, Consultation and Service. We create security and sustainability in using our products and also to make it possible to create special solutions for our customers.





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