

Certificate of Acceptance

PA05/07403

Manufacturer:
Elpress UK

Issue : 1
Valid From : 26/10/2022
Review Date : 26/10/2025

CABLE CONNECTORS AND TERMINATIONS

Product Description

Range of electrical cable connectors, including tooling, for signal power supplies.

Product Image



Scope of Acceptance

Full Acceptance

Full acceptance for use with aluminium and copper conductors as per item listing. Aluminium palm terminals, bimetallic aluminium-copper palm terminals, bimetallic aluminium-copper through connectors, aluminium through connectors, tube terminals for copper conductors, 2-hole tube terminals for copper conductors, 45 degree angled tube terminals for copper conductors, 90 degree angled tube terminals for copper conductors, narrow-palm tube terminals for copper conductors, through connectors for copper conductors.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Reviewed by:

Authorised by:

Sheran Sahabandu
Product Acceptance Coordinator

Felix Langley
Network Technical Head of Power Distribution HV/LV

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Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section. Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

- 1) Connectors shall be manufactured in accordance with NR/L2/SIGELP/27423.
- 2) Each connector's performance shall be in accordance with BS EN BS EN 61238-1 for Class A connectors.
- 3) Manufacturers will provide the required components to connect between Aluminium Cable within the specified range 16mm² – 185mm² to terminal studs within FSP Assemblies.
- 4) Manufacturer's range of connector barrels for use with aluminium conductors will be pre-filled with abrasive electro-conductive grease to prevent oxidation at the joint and create an effective connection between connector and conductor. All barrels are issued with a protective cap which requires removal before cable installation.
- 5) Manufacturers shall provide copies of Installation Manuals with all products covering installation, testing, maintenance and required tooling.
- 6) Manufacturers shall provide appropriate training in accordance with NR/L2/SIGELP/27423. Training and competency requirements shall be approved by the appropriate Network Rail department.
- 7) Manufacturers shall provide guidance to installers and maintainers for the use of correct and approved tooling. This will ensure that high resistance connections are minimised and maintains expected asset life of the products.
- 8) Connectors shall be tested in accordance with manufacturer's production test and inspection schedule and certificate. Production certification testing should be in accordance with manufacturer's Standard Operating Procedures (SOP).
- 9) A Production Test and Inspection Certificate shall be supplied with each product.

User

- 1) Connectors shall be selected for the appropriate conductor and destination material, types, sizes and apertures to be connected.
- 2) Installers and maintainers shall conduct termination of cables in accordance with the provided manufacturers installation instructions. Selection and use of approved and correct tooling shall be in accordance with manufacturer's instructions. Correct installation practices shall be maintained to prevent oxidation at the point of termination to minimise the likelihood of high resistance connections and maintain the asset life of the installation. Conditions detailed within the scope of acceptance must be read and understood prior to installation.
- 3) Installers and maintainers shall have access to training manuals/briefing notes and shall have had an appropriate level of training and briefing before using products detailed within this certificate.
- 4) Installers and maintainers shall conduct jointing and termination of cables using the appropriate PPE equipment in accordance with manufacturer's instructions and Network Rail policy.
- 5) No reworking of Aluminium connectors is permitted. Any remedial work requires the connector and cable end to be discarded.
- 6) Only for use with Copper or Aluminium conductors where specified.
- 7) All connectors and installation accessories are NOT suitable for use in subsurface environments in accordance with section 12 stations and locations.

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Product Configuration

Notes

Abbreviation	Description
Cu	Copper
Al	Aluminium
SAC	Solid Aluminium Conductor
FAC	Stranded Aluminium Conductor



Aluminium to Aluminium Palm Connector

Part No.	Description	Catalogue No.
AK16-6	Al terminal for solid Al cable 16 or 25 mm ² . For screw connection M6. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimping tool V1300	0092/002610
AK16-8	Al terminal for solid Al cable 16 or 25 mm ² . For screw connection M8. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002611
AK25-6	Al terminal for solid Al cable 35 mm ² . For screw connection M6. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002612
AK25-8	Al terminal for solid Al cable 35 mm ² . For screw connection M8. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002613
AK35-6	Al terminal for solid Al cable 50 mm ² . For screw connection M6. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002614
AK35-8	Al terminal for solid Al cable 50 mm ² . For screw connection M8. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002615
AK35-10	Al terminal for solid Al cable 50 mm ² . For screw connection M10. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002616
AK50-8	Al terminal for solid Al cable 70 mm ² . For screw connection M8. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002617
AK50-10	Al terminal for solid Al cable 70 mm ² . For screw connection M10. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002618
AK50-12	Al terminal for solid Al cable 70 mm ² . For screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002619
AK70-8	Al terminal for solid Al cable 95 mm ² . For screw connection M8. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002620
AK70-10	Al terminal for solid Al cable 95 mm ² . For screw connection M10. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002621
AK70-12	Al terminal for solid Al cable 95 mm ² . For screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002622

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Part No.	Description	Catalogue No.
AK95-8	Al terminal for solid Al cable 120 mm ² . For screw connection M8. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002623
AK95-10	Al terminal for solid Al cable 120 mm ² . For screw connection M10. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002624
AK95-12	Al terminal for solid Al cable 120 mm ² . For screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002625
AK120-10	Al terminal for stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² . For screw connection M10. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002626
AK120-12	Al terminal for stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² . For screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002627
AK150-10	Al terminal for stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² . For screw connection M10. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002628
AK150-12	Al terminal for stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² . For screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002629
AK150-16	Al terminal for stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² . For screw connection M16. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002630
AK185-10	Al terminal for stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² . For screw connection M10. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002631
AK185-12	Al terminal for stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² . For screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002632
AK185-16	Al terminal for stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² . For screw connection M16. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002633
AK240-12	Al terminal for stranded Al cable 240 mm ² , for screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300, V250.	0092/002634
AK240-16	Al terminal for stranded Al cable 240 mm ² , for screw connection M16. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V1300, V250.	0092/002635
AK300-12SOLID	Al terminal for solid Al cable 300 mm ² , for screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002636

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Part No.	Description	Catalogue No.
AK300-16SOLID	Al terminal for solid Al cable 300 mm ² , for screw connection M16. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002637
AK300-12	Al terminal for stranded Al cable 300 mm ² , for screw connection M12. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002638
AK300-16	Al terminal for stranded Al cable 300 mm ² , for screw connection M16. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002639
AK300-20	Al terminal for stranded Al cable 300 mm ² , for screw connection M20. Used for connecting Al conductors to Al busbar. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002640

**Bimetallic Aluminium-Copper Palm Terminals**

Part No.	Description	Catalogue No.
AKK16-8	AlCu terminal for solid Al cable 16 or 25 mm ² . For screw connection M8. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002641
AKK25-8	AlCu terminal for solid Al cable 35 mm ² . For screw connection M8. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002642
AKK25-12	AlCu terminal for solid Al cable 35 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002643
AKK35-8	AlCu terminal for solid Al cable 50 mm ² . For screw connection M8. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002643
AKK35-12	AlCu terminal for solid Al cable 50 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002645
AKK50-8	AlCu terminal for solid Al cable 70 mm ² . For screw connection M8. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002646
AKK50-10	AlCu terminal for solid Al cable 70 mm ² . For screw connection M10. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002647
AKK50-12	AlCu terminal for solid Al cable 70 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002648

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Part No.	Description	Catalogue No.
AKK70-8	AlCu terminal for solid Al cable 95 mm ² . For screw connection M8. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002649
AKK70-10	AlCu terminal for solid Al cable 95 mm ² . For screw connection M10. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002650
AKK70-12	AlCu terminal for solid Al cable 95 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002651
AKK95-8	AlCu terminal for solid Al cable 120 mm ² . For screw connection M8. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002652
AKK95-10	AlCu terminal for solid Al cable 120 mm ² . For screw connection M10. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002653
AKK95-12	AlCu terminal for solid Al cable 120 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002654
AKK95-16	AlCu terminal for solid Al cable 120 mm ² . For screw connection M16. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002655
AKK120-10	AlCu terminal for stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² . For screw connection M10. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002656
AKK120-12	AlCu terminal for stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002657
AKK120-16	AlCu terminal for stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² . For screw connection M16. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002658
AKK150-10	AlCu terminal for stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² . For screw connection M10. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002659
AKK150-12	AlCu terminal for stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002660

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Part No.	Description	Catalogue No.
AKK150-16	AlCu terminal for stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² . For screw connection M16. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002661
AKK185-10	AlCu terminal for stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² . For screw connection M10. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002662
AKK185-12	AlCu terminal for stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002663
AKK185-16	AlCu terminal for stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² . For screw connection M16. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300.	0092/002664
AKK240-10	AlCu terminal for stranded Al cable 240 mm ² . For screw connection M10. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300, V250.	0092/002665
AKK240-12	AlCu terminal for stranded Al cable 240 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300, V250.	0092/002666
AKK240-16	AlCu terminal for stranded Al cable 240 mm ² . For screw connection M16. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V1300, V250.	0092/002667
AKK300-12	AlCu terminal for stranded Al cable 300 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002668
AKK300-16	AlCu terminal for stranded Al cable 300 mm ² . For screw connection M16. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002669
AKK300-20	AlCu terminal for stranded Al cable 300 mm ² . For screw connection M20. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002670
AKK300-12SOLID	AlCu terminals for solid Al cable 300 mm ² . For screw connection M12. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002671
AKK300-16SOLID	AlCu terminals for solid Al cable 300 mm ² . For screw connection M16. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002672

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Part No.	Description	Catalogue No.
AKK300-20SOLID	AlCu terminals for solid Al cable 300 mm ² . For screw connection M20. Used for connection of Al conductors for apparatus outlets and busbars of Cu. Two crimps needed. Used with Elpress recommended crimp tool V250.	0092/002673

**Bimetallic Aluminium-Copper Through Connectors**

Part No.	Description	Catalogue No.
AKS16-10	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 16 or 25 mm ² , to Cu cable 10mm ² . Used with Elpress recommended crimp tool V1300.	0092/002674
AKS25-10	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 35 mm ² , to Cu cable 10mm ² . Used with Elpress recommended crimp tool V1300.	0092/002675
AKS25-16	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 35 mm ² , to Cu cable 16mm ² . Used with Elpress recommended crimp tool V1300.	0092/002676
ASK35-10	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 50 mm ² , to Cu cable 10mm ² . Used with Elpress recommended crimp tool V1300.	0092/002677
AKS35-16	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 50 mm ² , to Cu cable 16mm ² . Used with Elpress recommended crimp tool V1300.	0092/002678
AKS35-25	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 50 mm ² , to Cu cable 25mm ² . Used with Elpress recommended crimp tool V1300.	0092/002679
AKS50-10	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 70 mm ² , to Cu cable 10 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002680
AKS50-16	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 70 mm ² , to Cu cable 16mm ² . Used with Elpress recommended crimp tool V1300.	0092/002681
AKS50-25	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 70 mm ² , to Cu cable 25mm ² . Used with Elpress recommended crimp tool V1300.	0092/002682
AKS50-35	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 70 mm ² , to Cu cable 35mm ² . Used with Elpress recommended crimp tool V1300.	0092/002683
AKS50-50	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 70 mm ² , to Cu cable 50 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002684
AKS70-35	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 95 mm ² , to Cu cable 35mm ² . Used with Elpress recommended crimp tool V1300.	0092/002685
AKS70-50	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 95 mm ² , to Cu cable 70 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002686
AKS70-70	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 95 mm ² , to Cu cable 50 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002687

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AKS95-10	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 120 mm ² , to Cu cable 10 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002688
AKS95-16	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 120 mm ² , to Cu cable 16 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002689
AKS95-25	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 120 mm ² , to Cu cable 25 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002690
AKS95-35	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 120 mm ² , to Cu cable 35 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002691
AKS95-50	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 120 mm ² , to Cu cable 50 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002692
AKS95-70	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 120 mm ² , to Cu cable 70 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002693
AKS95-95	AlCu through connector, from Al conductor to Cu conductor. For solid Al cable 120 mm ² , to Cu cable 95 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002694
AKS120-50	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² , to Cu cable 50 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002695
ASK120-70	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² , to Cu cable 70 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002696
AKS120-95	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² , to Cu cable 95 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002697
AKS120-120	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² , to Cu cable 120 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002698
AKS150-25	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² , to Cu cable 25 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002699
AKS150-35	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² , to Cu cable 35 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002700
AKS150-50	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² , to Cu cable 50 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002701
AKS150-70	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² , to Cu cable 70 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002702
AKS150-95	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² , to Cu cable 95 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002703
AKS150-120	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² , to Cu cable 120 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002704

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AKS150-150	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² , to Cu cable 150 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002705
AKS185-70	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² , to Cu cable 70 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002706
AKS185-95	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² , to Cu cable 95 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002707
AKS185-120	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² , to Cu cable 120 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002708
AKS185-150	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² , to Cu cable 150 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002709
AKS185-185	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² , to Cu cable 185 mm ² . Used with Elpress recommended crimp tool V1300.	0092/002710
AKS240-35	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 35 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002711
AKS240-50	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 50 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002712
AKS240-70	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 70 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002713
AKS240-95	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 95 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002714
AKS240-120	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 120 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002715
AKS240-150	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 150 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002716
AKS240-185	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 185 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002717
AKS240-240A	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 240 mm ² to Cu cable 240 mm ² . Used with Elpress recommended crimp tool V1300, V250.	0092/002718
AKS300-150	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 300 mm ² to Cu cable 150 mm ² . Used with Elpress recommended crimp tool V250.	0092/002719
AKS300-185	AlCu through connector, from Al conductor to Cu conductor. For stranded Al cable 300 mm ² to Cu cable 185 mm ² . Used with Elpress recommended crimp tool V250.	0092/002720

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Part No.	Description	Catalogue No.
AKS300B-185	AlCu through connector. For stranded/solid Al cable 300 mm ² to Cu cable 185 mm ² . Use Elpress recommended crimp tool V1300. For crimping the Al part, accessories special matrix 13P37M and special punch 13P37D are used, and accessory special die 13B30 is used for the CU section.	0092/002721

**Hardware (Maintenance Spares and Line Replaceable Units)**

Part No.	Description	Catalogue No.
AS16	Al through connector with partition for solid Al cable 16 or 25 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002722
AS25	Al through connector with partition for solid Al cable 35 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002723
AS35	Al through connector with partition for solid Al cable 50 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002724
AS50	Al through connector with partition for solid Al cable 70 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002725
AS70	Al through connector with partition for solid Al cable 95 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002726
AS95	Al through connector with partition for solid Al cable 120 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002727
AS120	Al through connector with partition for stranded Al cable 120 mm ² , or for solid Al cable 150 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002728
AS150	Al through connector with partition for stranded Al cable 150 mm ² , or for solid Al cable 185 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002729
AS185	Al through connector with partition for stranded Al cable 185 mm ² , or for solid Al cable 240 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300.	0092/002730
AS240	Al through connector with partition for stranded Al cable 240 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V1300, V250.	0092/002731
AS300SOLID	Al through connector with partition for solid Al cable 300 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V250.	0092/002732
AS300	Al joint sleeve with partition for stranded Al cable 300 mm ² . Used for splicing Al conductors of equal areas. Used with Elpress recommended crimp tool V250.	0092/002733

**Tube Terminals for Copper Conductors**

Part No.	Description	Catalogue No.
KR6-4	Tube terminal for 6 mm ² copper conductors with an M4 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002734

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Part No.	Description	Catalogue No.
KR6-5	Tube terminal for 6 mm ² copper conductors with an M5 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002735
KR6-6	Tube terminal for 6 mm ² copper conductors with an M6 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002736
KRF6-8	Tube terminal for 6 mm ² copper conductors with an M8 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002737
KR10-4	Tube terminal for 10 mm ² copper conductors with an M4 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002738
KR10-5	Tube terminal for 10 mm ² copper conductors with an M5 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002739
KR10-6	Tube terminal for 10 mm ² copper conductors with an M6 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002740
KR10-8	Tube terminal for 10 mm ² copper conductors with an M8 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002741
KR10-10	Tube terminal for 10 mm ² copper conductors with an M10 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002742
KR10-12	Tube terminal for 10 mm ² copper conductors with an M12 hole in the palm. Recommended tool; GWB4099, ES2258.	0092/002743
KRF16-6	Tube terminal for 16 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300, V250	0092/002744
KRF16-8	Tube terminal for 16 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002745
KRF16-10	Tube terminal for 16 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002746
KRF16-12	Tube terminal for 16 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002747
KRF25-6	Tube terminal for 25 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002748
KRF25-8	Tube terminal for 25 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002749
KRF25-10	Tube terminal for 25 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002750
KRF25-12	Tube terminal for 25 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002751
KRF35-6	Tube terminal for 35 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002752
KRF35-8	Tube terminal for 35 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002753
KRF35-10	Tube terminal for 35 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002754
KRF35-12	Tube terminal for 35 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002755
KRF35-14	Tube terminal for 35 mm ² copper conductors with an M14 hole in the palm. Recommended tool; V600, V1300.	0092/002756
KRF50-6	Tube terminal for 50 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002757
KRF50-8	Tube terminal for 50 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002758
KRF50-10	Tube terminal for 50 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002759

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Part No.	Description	Catalogue No.
KRF50-12	Tube terminal for 50 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002760
KRF50-16	Tube terminal for 50 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002761
KRF70-6	Tube terminal for 70 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002762
KRF70-8	Tube terminal for 70 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002763
KRF70-10	Tube terminal for 70 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002764
KRF70-12	Tube terminal for 70 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002765
KRF70-16	Tube terminal for 70 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002766
KRF95-8	Tube terminal for 95 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002767
KRF95-10	Tube terminal for 95 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002768
KRF95-12	Tube terminal for 95 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002769
KRF95-16	Tube terminal for 95 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002770
KRF120-10	Tube terminal for 120 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V1300, V250.	0092/002771
KRF120-12	Tube terminal for 120 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V1300, V250.	0092/002772
KRF120-14	Tube terminal for 120 mm ² copper conductors with an M14 hole in the palm. Recommended tool; V1300, V250.	0092/002773
KRF120-16	Tube terminal for 120 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V1300, V250.	0092/002774
KRF150-10	Tube terminal for 150 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V1300, V250.	0092/002775
KRF150-12	Tube terminal for 150 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V1300, V250.	0092/002776
KRF150-16	Tube terminal for 150 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V1300, V250.	0092/002777
KRF150-20	Tube terminal for 150 mm ² copper conductors with an M20 hole in the palm. Recommended tool; V1300, V250.	0092/002778
KRF185-10	Tube terminal for 185 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V1300, V250.	0092/002779
KRF185-12	Tube terminal for 185 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V1300, V250.	0092/002780
KRF185-16	Tube terminal for 185 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V1300, V250.	0092/002781
KRF185-20	Tube terminal for 185 mm ² copper conductors with an M20 hole in the palm. Recommended tool; V1300, V250.	0092/002782

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**2-Hole Tube Terminals for Copper Conductors**

Part No.	Description	Catalogue No.
KRF16-6X2-16	2 holed tube terminal for 16 mm ² copper conductors with two M6 holes in the palm. Recommended tool; V600, V1300	0092/002783
KRF16-10X2-40	2 holed tube terminal for 16 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300	0092/002784
KRF16-10X2-24-26	2 holed tube terminal for 16 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300	0092/002785
KRF25-6X2-16	2 holed tube terminal for 25 mm ² copper conductors with two M6 holes in the palm. Recommended tool; V600, V1300	0092/002786
KRF25-8X2-40	2 holed tube terminal for 25 mm ² copper conductors with two M8 holes in the palm. Recommended tool; V600, V1300	0092/002787
KRF25-10X2-40	2 holed tube terminal for 25 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300	0092/002788
KRF25-14X2-40	2 holed tube terminal for 25 mm ² copper conductors with two M14 holes in the palm. Recommended tool; V600, V1300	0092/002789
KRF35-10X2-24-26	2 holed tube terminal for 35 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300.	0092/002790
KRF35-10X2-40	2 holed tube terminal for 35 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300	0092/002791
KRF50-10X2-24-26	2 holed tube terminal for 50 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300.	0092/002792
KRF50-10X2-40	2 holed tube terminal 50 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300	0092/002793
KRF70-10X2-24-26	2 holed tube terminal for 70 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300.	0092/002794
KRF70-12X2-40	2 holed tube terminal for 70 mm ² copper conductors with two M12 holes in the palm (cc40). Recommended tool; V600, V1300.	0092/002795
KRF95-10X2-24-26	2 holed tube terminal for 95 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V600, V1300.	0092/002796
KRF95-12X2-40	2 holed tube terminal for 95 mm ² copper conductors with two M12 holes in the palm (cc40). Recommended tool; V600, V1300.	0092/002797
KRF120-10X2-24-26	2 holed tube terminal for 120 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V1300, V250.	0092/002798
KRF120-12X2-40	2 holed tube terminal for 120 mm ² copper conductors with two M12 holes in the palm (cc40). Recommended tool; V1300, V250.	0092/002799
KRF150-10X2-24-26	2 holed tube terminal 150 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V1300, V250.	0092/002800
KRF150-12X2-40	2 holed tube terminal for 150 mm ² copper conductors with two M12 holes in the palm (cc40). Recommended tool; V1300, V250.	0092/002801
KRF185-10X2-24-26	2 holed tube terminal for 185 mm ² copper conductors with two M10 holes in the palm. Recommended tool; V1300, V250.	0092/002802
KRF185-12X2-33	2 holed tube terminal for 185 mm ² copper conductor with two M12 holes in the palm. Recommended tool; V600, V1300	0092/002803
KRF185-12X2-40	2 holed tube terminal for 185 mm ² copper conductors with two M12 holes in the palm (cc40). Recommended tool; V1300, V250.	0092/002804

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**45-Degree Angled Tube Terminals for Copper Conductors**

Part No.	Description	Catalogue No.
KR10-6-45GR	45 degree angled tube terminal for 10 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002805
KR10-8-45GR	45 degree angled tube terminal for 10 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002806
KR10-10-45GR	45 degree angled tube terminal for 10 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002807
KRF16-6-45GR	45 degree angled tube terminal for 16 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002808
KRF16-8-45GR	45 degree angled tube terminal for 16 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002809
KRF16-10-45GR	45 degree angled tube terminal for 16 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002810
KRF25-6-45GR	45 degree angled tube terminal for 25 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002811
KRF25-8-45GR	45 degree angled tube terminal for 25 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002812
KRF25-10-45GR	45 degree angled tube terminal for 25 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002813
KRF35-6-45GR	45 degree angled tube terminal for 35 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002814
KRF35-8-45GR	45 degree angled tube terminal for 35 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002815
KRF35-10-45GR	45 degree angled tube terminal for 35 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002816
KRF50-8-45GR	45 degree angled tube terminal for 50 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002817
KRF50-10-45GR	45 degree angled tube terminal for 50 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002818
KRF50-12-45GR	45 degree angled tube terminal for 50 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002819
KRF70-8-45GR	45 degree angled tube terminal for 70 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002820
KRF70-10-45GR	45 degree angled tube terminal for 70 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002821
KRF70-12-45GR	45 degree angled tube terminal for 70 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002822
KRF95-10-45GR	45 degree angled tube terminal for 95 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002823
KRF95-12-45GR	45 degree angled tube terminal for 95 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002824
KRF95-16-45GR	45 degree angled tube terminal for 95 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002825
KRF120-10-45GR	45 degree angled tube terminal for 120 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V1300, V250.	0092/002826
KRF120-12-45GR	45 degree angled tube terminal for 120 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V1300, V250.	0092/002827
KRF120-16-45GR	45 degree angled tube terminal for 120 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V1300, V250.	0092/002828

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Part No.	Description	Catalogue No.
KRF150-10-45GR	45 degree angled tube terminal for 150 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V1300, V250.	0092/002829
KRF150-12-45GR	45 degree angled tube terminal for 150 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V1300, V250.	0092/002830
KRF150-16-45GR	45 degree angled tube terminal for 150 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V1300, V250.	0092/002831
KRF185-10-45GR	45 degree angled tube terminal for 185 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V1300, V250.	0092/002832
KRF185-12-45GR	45 degree angled tube terminal for 185 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V1300, V250.	0092/002833



90-Degree Angled Tube Terminals for Copper Conductors

Part No.	Description	Catalogue No.
KR10-6-90GR	90 degree angled tube terminal for 10 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002834
KR10-8-90GR	90 degree angled tube terminal for 10 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002835
KR10-10-90GR	90 degree angled tube terminal for 10 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002836
KRF16-6-90GR	90 degree angled tube terminal for 16 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002837
KRF16-8-90GR	90 degree angled tube terminal for 16 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002838
KRF25-6-90GR	90 degree angled tube terminal for 25 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002839
KRF25-8-90GR	90 degree angled tube terminal for 25 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002840
KRF25-10-90GR	90 degree angled tube terminal for 25 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002841
KRF35-6-90GR	90 degree angled tube terminal for 35 mm ² copper conductors with an M6 hole in the palm. Recommended tool; V600, V1300.	0092/002842
KRF35-8-90GR	90 degree angled tube terminal for 35 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002843
KRF35-10-90GR	90 degree angled tube terminal for 35 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002844
KRF50-8-90GR	90 degree angled tube terminal for 50 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002845
KRF50-10-90GR	90 degree angled tube terminal for 50 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002846
KRF50-12-90GR	90 degree angled tube terminal for 50 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002847
KRF70-8-90GR	90 degree angled tube terminal for 70 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002848
KRF70-10-90GR	90 degree angled tube terminal for 70 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002849
KRF70-12-90GR	90 degree angled tube terminal for 70 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002850
KRF95-10-90GR	90 degree angled tube terminal for 95 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002851

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Part No.	Description	Catalogue No.
KRF95-12-90GR	90 degree angled tube terminal for 95 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002852
KRF95-16-90GR	90 degree angled tube terminal for 95 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002853
KRF120-8-90GR	90 degree angled tube terminal for 120 mm ² copper conductors with an M8 hole in the palm. Recommended tool; V600, V1300.	0092/002854
KRF120-10-90GR	90 degree angled tube terminal for 120 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002855
KRF120-12-90GR	90 degree angled tube terminal for 120 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002856
KRF120-16-90GR	90 degree angled tube terminal for 120 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002857
KRF150-10-90GR	90 degree angled tube terminal for 150 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002858
KRF150-12-90GR	90 degree angled tube terminal for 150 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002859
KRF150-12-90GR	90 degree angled tube terminal for 150 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002860
KRF150-16-90GR	90 degree angled tube terminal for 150 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002861
KRF185-10-90GR	90 degree angled tube terminal for 185 mm ² copper conductors with an M10 hole in the palm. Recommended tool; V600, V1300.	0092/002862
KRF185-12-90GR	90 degree angled tube terminal for 185 mm ² copper conductors with an M12 hole in the palm. Recommended tool; V600, V1300.	0092/002863
KRF185-16-90GR	90 degree angled tube terminal for 185 mm ² copper conductors with an M16 hole in the palm. Recommended tool; V600, V1300.	0092/002864



Narrow-Palm Tube Terminals for Copper Conductors

Part No.	Description	Catalogue No.
KRFS50-6	Tube terminal with narrow palm for 50 mm ² copper conductors with an M6 hole in the palm.	0092/002865
KRFS50-8	Tube terminal with narrow palm for 50 mm ² copper conductors with an M8 hole in the palm.	0092/002866
KRFS50-10	Tube terminal with narrow palm for 50 mm ² copper conductors with an M10 hole in the palm.	0092/002867
KRFS70-6	Tube terminal with narrow palm for 70 mm ² copper conductors with an M6 hole in the palm.	0092/002868
KRFS70-8	Tube terminal with narrow palm for 70 mm ² copper conductors with an M8 hole in the palm.	0092/002869
KRFS70-10	Tube terminal with narrow palm for 70 mm ² copper conductors with an M10 hole in the palm.	0092/002870
KRFS95-6	Tube terminal with narrow palm for 95 mm ² copper conductors with an M6 hole in the palm.	0092/002871
KRFS95-8	Tube terminal with narrow palm for 95 mm ² copper conductors with an M8 hole in the palm.	0092/002872
KRFS95-10	Tube terminal with narrow palm for 95 mm ² copper conductors with an M10 hole in the palm.	0092/002873
KRFS95-12	Tube terminal with narrow palm for 95 mm ² copper conductors with an M12 hole in the palm.	0092/002874

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Part No.	Description	Catalogue No.
KRFS120-6	Tube terminal with narrow palm for 120 mm ² copper conductors with an M6 hole in the palm.	0092/002875
KRFS120-8	Tube terminal with narrow palm for 120 mm ² copper conductors with an M8 hole in the palm.	0092/002876
KRFS120-10	Tube terminal with narrow palm for 120 mm ² copper conductors with an M10 hole in the palm.	0092/002877
KRFS120-12	Tube terminal with narrow palm for 120 mm ² copper conductors with an M12 hole in the palm.	0092/002878
KRFS150-6	Tube terminal with narrow palm for 150 mm ² copper conductors with an M6 hole in the palm.	0092/002879
KRFS150-8	Tube terminal with narrow palm for 150 mm ² copper conductors with an M8 hole in the palm.	0092/002880
KRFS150-10	Tube terminal with narrow palm for 150 mm ² copper conductors with an M10 hole in the palm.	0092/002881
KRFS150-12	Tube terminal with narrow palm for 150 mm ² copper conductors with an M12 hole in the palm.	0092/002882
KRFS185-10	Tube terminal with narrow palm for 185 mm ² copper conductors with an M10 hole in the palm.	0092/002883
KRFS185-12	Tube terminal with narrow palm for 185 mm ² copper conductors with an M12 hole in the palm.	0092/002884

**Through Connectors for Copper Conductors**

Part No.	Description	Catalogue No.
KS6	Through connector for 6 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; GWB4099, ES2258	0092/002885
KS10	Through connector for 10 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; GWB4099, ES2258	0092/002886
KSF16	Through connector for 16 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V600, V1300	0092/002887
KSF25	Through connector for 25 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V600, V1300	0092/002888
KSF35	Through connector for 35 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V600, V1300	0092/002889
KSF50	Through connector for 50 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V600, V1300	0092/002890
KSF70	Through connector for 70 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V600, V1300	0092/002891
KSF95	Through connector for 95 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V600, V1300	0092/002892
KSF120	Through connector for 120 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V1300, V250	0092/002893
KSF150	Through connector for 150 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V1300, V250	0092/002894
KSF185	Through connector for 185 mm ² copper conductors, with an inspection hole and int. cable stop. Recommended tool; V1300, V250	0092/002895

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Tools, Pumps and Accessories

Part No.	Description	Catalogue No.
EL2258	Tested and certified mechanical hand-held tool for crimping Cu-terminals, type KRF/KSF 16-25 mm ² . Optimal access in confined spaces.	0092/002896
HKS50	Cuts cable up to a diameter of 50 mm and with interchangeable knife blades. Supplied with universal blade UFE1 for Al/Cu, FeAl line, flexible steel line and anchoring cables. Single-handed operation.	0092/002897
DV1300C2	Crimp head with DUAL technology for contact crimping Cu terminals, type KRF/KSF 10-300 mm ² . Used in conjunction with foot pump P4000 or battery and mains powered pump PS710. No die holders needed for DUAL dies crimping KRF type terminals and KSF 10-300 mm ² type through connectors. Standard dies without DUAL function can be used (10-400 mm ²).	0092/002898
PVL350	Elpress mini tool with Li-Ion battery. Crimping force max. 35 kN. 1 x Li-ion battery and charger supplied in a plastic case.	0092/002899
PVX611	Battery-powered crimping tool for contact crimping Cu-terminals, type KRF/KSF 10-150 mm ² , Al-terminals 16-35 mm ² . Same crimp dies as for V611 and V600. Backward compatible, tested and approved for use with Elpress TB dies and KB dies. Display with information about the tool and service interval. 2 year warranty.	0092/002900
PVX611DB	Battery-powered crimping tool for contact crimping Cu-terminals, type KRF/KSF 10-150 mm ² , Al-terminals 16-35 mm ² . Same crimp dies as for V611 and V600. Display with information about the tool and service interval. Supplied with two batteries. 2 year warranty.	0092/002901
PVX1300DB	Battery-powered crimp gun for contact crimping Cu terminals, type KRF/KSF 10-400 mm ² , Al terminals 16-400 mm ² . Uses the same accessories as other products in the 1300 system. 2 year warranty. Tool can be set with Safety-Start.	0092/002902
PVX1300C2DB	Battery-powered crimp gun for contact crimping Cu terminals, type KRF/KSF 10-300 mm. Uses same die system as V1300C. Display with information about the tool and service interval. 2 year warranty. Tool can be set with Safety-Start.	0092/002903
KL2585	KL2585, Cable cutting head for Elpress pumps. max diameter 85mm.	0092/002904
CT20	Cable cutter for cutting Cu and Al cable. Not intended for cutting steel.	0092/002905
HKS34	Mechanical cable cutter for normal types of Cu and Al cable up to 34 mm in diameter.	0092/002906
DV1300	Crimp head with DUAL technology for contact crimping Cu terminals, type KRF/KSF 10-300 mm ² . Used in conjunction with foot pump P4000 or battery and mains powered pump PS710. No die holders needed for DUAL dies crimping KRF type terminals and KSF 10-300 mm ² type through connectors. Standard dies without DUAL function can be used (10-400 mm ²).	0092/002907
PS710E251	Electro-hydraulic pump complete with power cord, hydraulic hose cpl with cable 2.4m, battery charger, Li-ion battery and carrying strap.	0092/002908
P4000	Hydraulic foot pump. 2.2 m hydraulic hose with quick coupling. Standard pressure setting 630 bar, max 700 bar.	0092/002909
PVBC-LI-ION	Battery charger Li-ion for batteries used in PVX1300- and PVX611-series tools.	0092/002910
PVBP-LI-ION-5,0AH	Batteries for PVX1300- and PVX611- series tools.	0092/002911

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Dies, Punches and Matrices

Part No.	Description	Catalogue No.
MB8	Die pair for KR/KS 10mm ² and KRD/KSD 10-16mm ² terminals/sleeves. Used in PVL350	0092/002912
MB9	Die pair for KRF/KSF 16 mm ² and KRD/KSD 25 mm ² . Used in PVL350.	0092/002913
MB11	Die pairs for Cu-terminals KRF/KSF 25 mm ² and KRD/KSD 35 mm ² . Used in PVL350.	0092/002914
MB13	Die pair for Cu-terminals KRF/KSF 35 mm ² . Used in PVL350.	0092/002915
MB14,5	Die pair for Cu-terminals KRF/KSF 50mm ² . Used in PVL350.	0092/002916
MB17	Die pair for Cu-terminals KRF/KSF 70 mm ² and KRD/KSD 95mm ² . Used in PVL350.	0092/002917
13DCB8	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 10 mm ² , hexagonal crimping. No die holders needed. Used in DV1300C2 and PVX1300C2.	0092/002918
13DCB9	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 16 mm ² , hexagonal crimping. No die holders needed. Used in DV1300C2 and PVX1300C2.	0092/002919
13DCB11	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 25 mm ² , hexagonal crimping. No die holders needed. Used in DV1300C2, PVX1300C2.	0092/002920
13DCB14,5	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 50 mm ² , hexagonal crimping. No die holders needed. Used in DV1300C2, PVX1300C2.	0092/002921
13DCB17	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 70 mm ² , hexagonal crimping. No die holders needed. Used in DV1300C2, PVX1300C2.	0092/002922
13DCB20	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 95 mm ² , hexagonal crimping. No die holders needed. Used in DV1300C2, PVX1300C2.	0092/002923
13DCB22	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 120 mm ² , hexagonal crimping No die holder needed. Used in DV1300C2, PVX1300C2. 2 crimps.	0092/002924
13DCB25	Integrated DUAL die pair for Cu-terminals, type KRF/KSF 150 mm ² . Used in DV1300C. No die holders needed. 2 crimps.	0092/002925
13DCB27	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 185 mm ² , hexagonal crimping. No die holders needed. Used in DV1300C2, PVX1300C2. 2 crimps.	0092/002926
13DB8	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 10 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300.	0092/002927
13DB9	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 16 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300.	0092/002928
13DB11	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 25 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300.	0092/002929
13DB14,5	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 50 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300.	0092/002930

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Part No.	Description	Catalogue No.
13DB17	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 70 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300.	0092/002931
13DB20	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 95 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300.	0092/002932
13DB22	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 120 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300. 2 crimps.	0092/002933
13DB25	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 150 mm ² , hexagonal crimping. Used in DV1300 and PVX1300. 2 crimps.	0092/002934
13DB27	Integrated die pair DUAL for Cu-terminals, type KRF/KSF 185 mm ² , hexagonal crimping. No die holders needed. Used in DV1300 and PVX1300. 2 crimps.	0092/002935
KB22	KB die pair for crimping Cu-terminals, KRF/KSF 120 mm ² . Used in PVX611. Three crimps.	0092/002936
KB25	Die pair for Cu-terminals KRF/KSF 150 mm ² . Three crimps. Used in PVX611.	0092/002937
TB7-20	Crimp dies for PVX611. Used for crimping KRF/KSF Cu terminals 10-95mm ² , hexagonal crimping.	0092/002938
TB8-17	Die pair for PVX611. Used for crimping Cu terminals 10-70mm ² , hexagonal crimping.	0092/002939
TB9-13	Crimp dies for PVX611. Used for crimping Cu terminals 16-35mm ² , hexagonal crimping.	0092/002940
TB11-14,5	Crimp dies for PVX611. Used for crimping Cu-terminals 25-50mm ² , hexagonal crimping.	0092/002941
MB4016	Die pair for KS 4-16 mm ² . Used in PVL350	0092/002942
13P37D	Punch for indented crimping Al-terminals, type AKKxxxB/AKSxxxB and ASxxxB, with stranded conductors 300 mm ² in the V1300 system. No punch holder needed. 2 crimps.	0092/002943
P13D	Punch for Al-terminals, indented crimping, 16-35 mm ²	0092/002944
P20D	Punch for indented crimping Al-terminals, 50-95 mm ² . No punch holder needed. 2 crimps.	0092/002945
P25D	Punch for indented crimping Al-terminals, stranded conductors 120-150 mm ² , solid 120-185 mm ² . No punch holder needed. 2 crimps.	0092/002946
P32D	Punch for indented crimping Al-terminals, stranded conductors 185-240 mm ² , solid 240 mm ² . No punch holder needed. 2 crimps.	0092/002947
P36-40-44D	Punch for indented crimping Al-terminals stranded conductors 300mm ² , solid 300 mm ² . No punch holder needed. 2 crimps.	0092/002948
V1320	Elpress Punch/Matrix Holder for use with 1300 System	0092/002949
13P37M	Matrix for indented crimping Al-terminals, type AKKxxxB/AKSxxxB and ASxxxB, with stranded conductors 300 mm ² in the V1300 system. No matrix holder needed.	0092/002950
13P32M	Matrix for indented crimping Al-terminals stranded conductors 185-240 mm ² and solid 240 mm ² in the V1300 system. No matrix holder needed. 2 crimps.	0092/002951
P13M	Matrix for indented crimping of Al-terminals 16-35 mm ² . Matrix holders needed. 2 crimps.	0092/002952
P20M	Matrix for indented crimping Al-terminals 50-95 mm ² . Matrix holders needed. 2 crimps.	0092/002953

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Part No.	Description	Catalogue No.
P25M	Matrix for indented crimping Al-terminals stranded conductors 120-150 mm ² and solid 120-185 mm ² . Matrix holders needed. 2 crimps.	0092/002954
P36M	Matrix for indented crimping Al-terminals stranded and solid conductor 300 mm ² in the V250 system. Matrix holders needed. 2 crimps.	0092/002955

Pre-rounding Punches and Matrices

Part No.	Description	Catalogue No.
R6MR	Matrix for pre-rounding Al-conductors 16-25 mm ² , matrix holder needed.	0092/002956
R7MR	Matrix for pre-rounding Al-conductors 35 mm ² , matrix holder needed.	0092/002957
R8MR	Matrix for pre-rounding Al-conductors 50 mm ² , matrix holder needed.	0092/002958
R9MR	Matrix for pre-rounding Al-conductors 70 mm ² , matrix holder needed.	0092/002959
R12MR	Matrix for pre-rounding Al conductors 95 mm ² , matrix holder is needed.	0092/002960
R13MR	Matrix for pre-rounding Al conductors 120 mm ² , matrix holder is needed.	0092/002961
R15MR	Matrix for pre-rounding Al conductors stranded 120 mm ² and solid 150 mm ² , matrix holder is needed.	0092/002962
R16MR	Matrix for pre-rounding Al conductors stranded 150 mm ² and solid 185 mm ² , matrix holder is needed.	0092/002963
13R18MR	Matrix for pre-rounding Al conductors stranded 185 mm ² and solid 240 mm ² , matrix holder is needed Used in V1300 system.	0092/002964
13R20MR	Matrix for pre-rounding Al-conductors stranded 240 mm ² , no matrix holder is needed. Used in the V1300 system.	0092/002965
13R12DR	Pre-rounding punch for pre-rounding Al conductors 95 mm ² . Used in the V1300 system.	0092/002966
13R13DR	Pre-rounding punch for pre-rounding Al conductors 120 mm ² . Used in the V1300 system.	0092/002967
13R15DR	Pre-rounding punch for pre-rounding Al conductors stranded 120 mm ² and solid 150 mm ² . Used in the V1300 system.	0092/002968
13R16DR	Pre-rounding punch for pre-rounding Al conductors stranded 150 mm ² and solid 185 mm ² . Used in the V1300 system.	0092/002607
13R18DR	Pre-rounding punch for pre-rounding Al conductors stranded 185 mm ² and solid 240 mm ² . Used in the V1300 system.	0092/002608
13R20DR	Pre rounding punch for pre rounding Al-conductors stranded 240 mm ² . Used in the V1300 system.	0092/002609

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
	Folder '07403 – Elpress Connectors'	--	19/10/2022	1

Certificate History

Issue	Date	Issue History
1	26/10/2022	First issue

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General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Product Acceptance, the Professional Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date via the NR sponsoring applicant.

2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Network Rail Design for Reliability Standard(DFR) NR-L2-RSE-0005 and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance:
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Product Acceptance or National Supply Chain (NSC) at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to Network Rail Product Acceptance.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement, where the specification and/or Product Acceptance Certificates specify quality assurance classifications for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Product Acceptance.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Product Acceptance.
- 4) Inform Network Rail Product Acceptance in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

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4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations

2) As required in Railway Group Standard RIS-8270-RST, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:

- a. All rail vehicle types that have access rights over the area affected by the change
- b. Infrastructure managed by others
- c. Neighbours.

Railway Interoperability Regulations

3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.

4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail and Road) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements

1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.

2) Products may be purchased by Network Rail or its agents, suppliers or contractors.

3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.