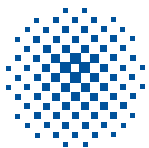
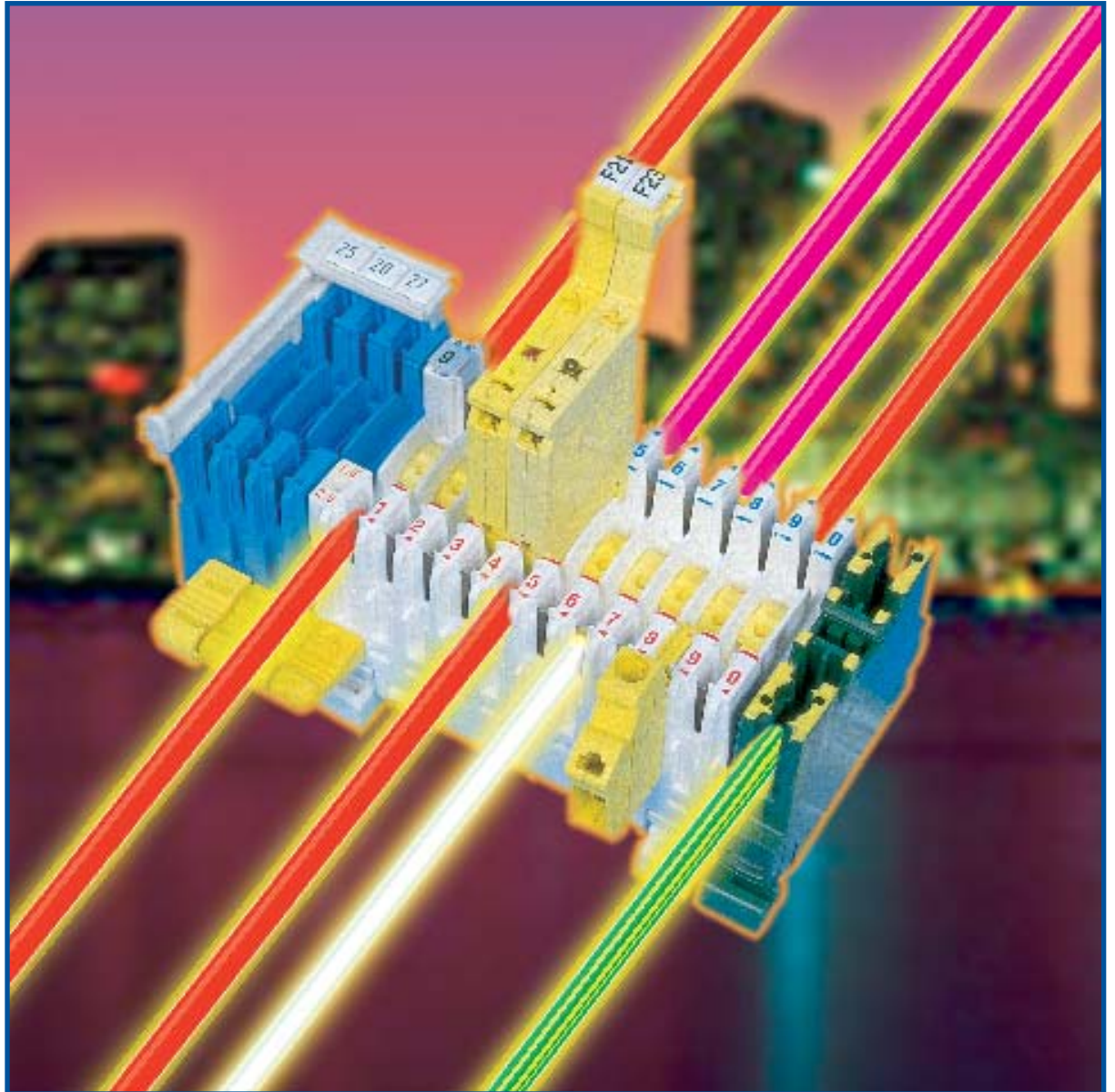


KRONE
TERMINATOR™
SYSTEM

High Productivity Industrial
Wiring Systems for
0.34-2.5mm² wires



KRONE

The evidence is conclusive: Terminator reduces wiring times by up to 90%...

Now you can reduce the time and expense of wiring and, at the same time, improve the quality and longevity of your connections.

The New TERMINATOR system is based on the highly successful LSA Plus termination technique and brings KRONE's communications expertise into instrumentation and control wiring with dramatic effect.

Modular, High Density System

The DIN-rail mounted, modular system, which requires no clamps or end plates, can be used for connecting solid, stranded or flexible copper wires ranging from 0.34mm² to 2.5mm² with insulation levels up to 0.6/1kV.

The system is built around a 10-way and a 3-way terminal module available in a through or disconnect version. The modules, together with an extensive range of plug-in accessories and unique wire termination tools, make up the TERMINATOR system.

The KRONE termination system requires no stripping or screwing

Using a simple tool to insert the wire into the terminal slot, the KRONE LSA contact displaces the insulation and bites into the conductor giving a gas-tight seal. The wire is quickly and reliably terminated.



Fast and reliable

The KRONE TERMINATOR system is so fast and reliable that it can reduce wiring times between 75 and 90%. It can also eliminate costly routine maintenance and delays in commissioning.

The main features are:

- labour saving (75-90%)
- no wire stripping or screwing
- reliable corrosion and vibration resistant gas-tight connections
- modular system with plug-in accessories
- termination access & visibility from top of module
- integrated numbering system
- eliminates user errors

The disconnect module has a unique hinged disconnect link which allows for quick circuit disconnection. The link can also be removed to allow accessories to be plugged into the module.

Applications

The KRONE TERMINATOR system is ideal where timesavings and reliability are essential:

- for applications that require a large number of connections
- for distribution/marshalling cabinets
- for machinery where screw connections might loosen
- for avoiding unnecessary wiring modifications
- for eliminating periodic retightening of terminals
- for environments where exposed cable might risk corrosion

Examples of Applications

Industrial Process Control

- supervisory control
- data acquisition
- programmable controllers (PLC)
- motor control
- system integration

Instrumentation and Signaling

- railway and traffic signals
- data display
- field marshalling
- security
- process monitoring
- SCADA

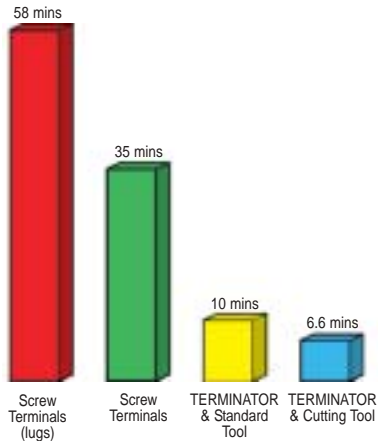
Environmental Control

- air conditioning
- building management
- energy management
- HVAC
- LV power monitoring & control

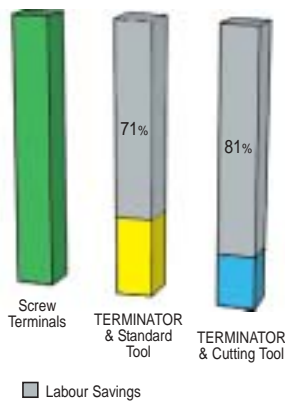
...whilst providing a more durable quality connection!

Productivity Comparison

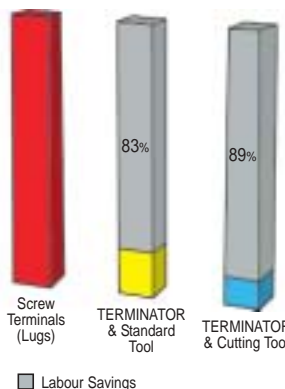
Wiring of 100 Connections



A time comparison showing average time for manual wiring of 100 connections with screw terminals versus KRONE TERMINATOR modules.

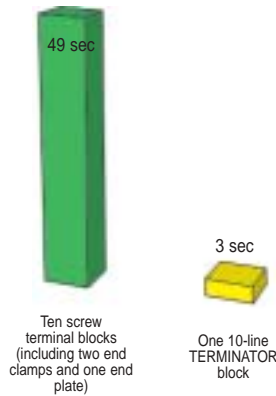


Labour savings up to 81% can be achieved when comparing the TERMINATOR system against screw technology (using the KRONE wire cut-off termination tool).



This saving increases to 89% when lugs are required before completing the screw termination.

Fastening terminal blocks on to DIN-rail:



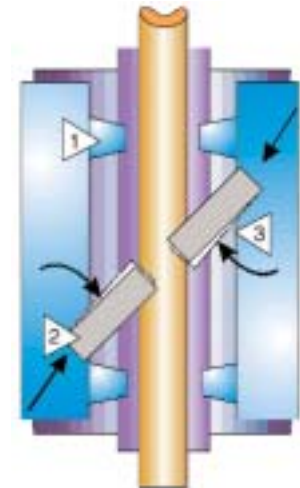
A time comparison showing average time for fastening 10 terminals compared to a 10-way TERMINATOR module on to a DIN rail.



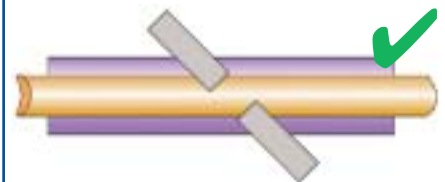
TERMINATOR's easy clip-on design allows timesavings of up to 94% as no clamps or end plates are required.

The KRONE Contact Difference

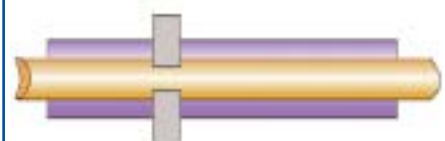
KRONE's 3-point Insulation Displacement Connection (IDC) method of termination gives durable quality connections.



1. Insulation clamping ribs hold wire firmly in position and isolate the contact area from vibration and other forms of mechanical stress.
2. Flexible nickel-plated contact tags, positioned at 45° angles across the axis of the wire, make a solid, gas-tight connection.
3. Constant axial and torsional restoring forces, created by the unique contact and plastic housing, maintain a durable connection.

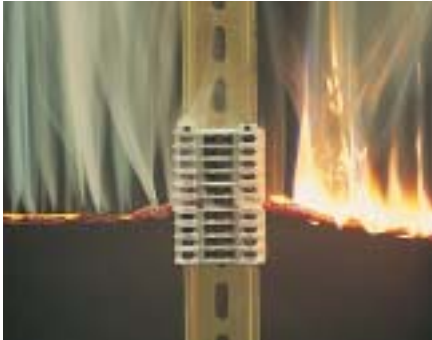


Positioning contacts at a 45° angle leaves more wire between contact points and provides a more reliable, stress resistant connection.



Positioning contacts at a 90° angle produces a point of weakness subject to possible breakage.

Performance and Reliability



Short-circuit Capability

The short-circuit test, according to IEC 947-7-1 paragraph 7.2.3, specifies that 120A per mm² has to be applied and carried for a period of one second.

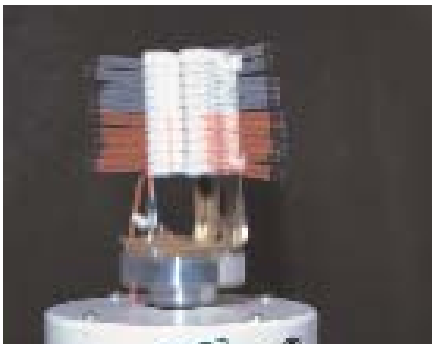
The KRONE TERMINATOR IDC connections pass this test without damage or impairment of their functions.



Even in a test using 1.5mm² (AWG 16) cable, where the current is increased without limit until the wire glows red hot, the TERMINATOR terminal module remains undamaged.

Corrosion Resistant

Extensive environmental testing has been carried out to ensure the suitability of KRONE TERMINATOR for use in industrial environments. Included were salt spray and sulphur dioxide gas testing.



Vibration and Shock Resistant

The KRONE TERMINATOR has been tested up to 150Hz, 5G in X-Y-Z axis, and proven to be vibration and shock resistant without damage to the conductor.

International Approvals



The Industrie Forum Design Hanover (IF) honoured the Australian designed and manufactured TERMINATOR System with the 1997 award for excellence in design.

TECHNICAL DETAILS (Through & Disconnect Modules)

Electrical Data

Results obtained after four days exposure to a climate of 40°C and 93% relative humidity.

Standards	IEC 998-2-3	
T-rating	70°C	
Insulation voltage (to IEC 664-1)	500V	
Insulation resistance.....	>5M Ω	
Dielectric strength	>3000V	
Current rating:	1.5mm ² module	2.5mm ² module
- through module	18A	24A
- disconnect module	10A	10A
IP rating (to IEC 529)	IP20	
Average IDC termination resistance	<1m Ω	
Insulation coordination (to IEC 664-1)		
- over-voltage category	III	
- pollution degree	3-415V	
- comparative tracking index of housing plastic (to IEC 112)	CTI600	

Environmental Data

Environment for use indoors or enclosed cabinets outdoors with a minimum degree of protection to IP54 (IEC 529)

Storage temperature	-40° to +70°C
Operating temperature	-20° to +50°C
Maximum operating humidity	93% relative humidity non-condensing

Mechanical Data

For rigid solid or stranded and flexible, tin plated or unplated copper conductors with either plasticised PVC or PE insulation.

Wire range:	1.5 module		2.5 module	
	min	max	min	max
- cross sectional area (mm ²)	0.34	1.5	1.0	2.5
- American wire gauge (AWG)	22	16	18	14
- insulation diameter (mm)	1.4	3.3	2.2	3.5
- conductor diameter (mm)	0.65	1.4	1.2	1.8
Print colour on module	blue		red	
Number of conductors per slot	1 max			
Pitch	6mm			
Overall module dimensions (LxWxH) mm	10-way: 66mm x 43mm x 39mm			
	3-way: 24mm x 43mm x 39mm			
Connector housing material.....	Flame retardant, halogen free, tough thermoplastic polyamide			
Contact Material	Special spring copper alloy, nickel plated			
Re-terminations	50			
Accessory insertions.....	50			
Module positions	10-way or 3-way			
Standards: IEC 998-2-3, EN 60998-2-3, IEC 352-4 for insulation displacement contacts, VDE 0627 for disconnection contacts				
Approvals achieved, pending or under consideration: VDE, SEMKO, NEMKO, DEMKO, FIMKO, UL, C-UL, LLOYDS, DNV, SABS and CSA				
Mounting on DIN-rails	DIN50045, DIN50022 and DIN50035			

TERMINATOR MODULES

High Productivity Industrial Wiring Terminals

KRONE'S 6mm terminals come in two module sizes: 3-way (L24 x W43 x H39mm) and 10-way (L66 x W43 x H39mm) for terminating wires from 0.34-1.5mm² (1.5 module) and 1-2.5mm² (2.5 module).



Through Module



Disconnect Module

Features

- no wire preparation
- no insulation stripping
- no screwing
- no lugs required
- eliminates user errors
- gas-tight, corrosion and vibration resistant connections
- modular (no clamps or end plates)
- integrated numbering system
- quick circuit disconnection (disconnect module)
- fuseable configurations (disconnect module)

Benefits

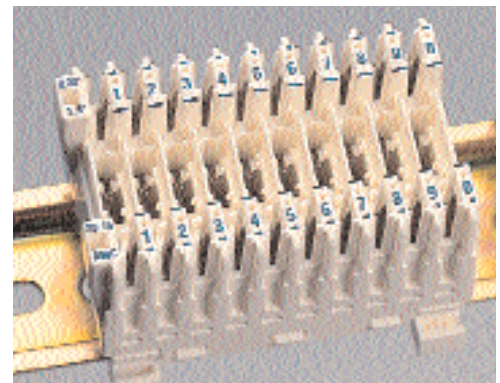
- productivity gains of up to 90% (cost savings)
- no conductor damage during stripping
- no screws left loose
- no high resistance crimping
- high quality terminations
- low contact resistance, long term reliability, no routine maintenance required
- faster, less inventory.
- eliminates the need for expensive and time consuming numbering of each terminal
- reduced downtime
- easy to change circuit on standard (no special fuse terminal needed)

Through Modules

The TERMINATOR Through Module uses one-piece contacts which provide a continuous link between circuit connections. Test and bridging access is provided.

Versions:

	1.5 modules (for 0.34-1.5mm ² wires)	2.5 modules (for 1-2.5mm ² wires)
with numbering (1-0)	blue marking	red marking
- 10-line, white (box of 10)	6461 5 201-00	6461 5 216-00
- 10-line, blue (box of 10)	6461 5 201-01	6461 5 216-01
without numbering	blue marking	red marking
- 10-line, white (box of 10)	6461 5 201-50	6461 5 216-50
- 10-line, blue (box of 10)	6461 5 201-51	6461 5 216-51
- 3-line, white (box of 30)	6461 5 214-00	6461 5 225-00
- 3-line, blue (box of 30)	6461 5 214-01	6461 5 225-01



TERMINATOR MODULES

Disconnect Modules

The TERMINATOR Disconnect Module uses normally open, two-piece contacts. It is equipped with hinged/removable disconnect links for circuit connection and disconnection. Test and bridging access is provided and plug-in componentry can be inserted when a disconnect link is removed.



Versions:	1.5 modules (for 0.34-1.5mm ² wires)	2.5 modules (for 1-2.5mm ² wires)
with numbering (1-0)	blue marking	red marking
- 10-line, white (box of 10)	6461 5 202-00	6461 5 217-00
- 10-line, blue (box of 10)	6461 5 202-01	6461 5 217-01
without numbering	blue marking	red marking
- 10-line, white (box of 10)	6461 5 202-50	6461 5 217-50
- 10-line, blue (box of 10)	6461 5 202-51	6461 5 217-51
- 3-line, white (box of 30)	6461 5 215-00	6461 5 226-00
- 3-line, blue (box of 30)	6461 5 215-01	6461 5 226-01

Interface Modules

The Interface Disconnect Modules accept wires from 0.34mm² to 1.5mm² on the top side (blue marking) and 1.0mm² to 2.5mm² red marking) on the bottom side. The modules are available in through or disconnect versions. The disconnect modules are equipped with hinged removable disconnect links.



Versions:	
with numbering (1-0)	
- 10-way, white through	6461 5 228-00
- 10-way, white disconnect	6461 5 230-00
without numbering	
- 3-way, white through	6461 5 229-00
- 3-way, white disconnect	6461 5 231-00

Earth Terminals

Handles potential earth to AC lines for low voltage applications. The terminal (green body with yellow strip) clips directly on to 35mm DIN-rail (DIN50022) and is available in three versions.

Versions:	
single terminal (box of 5)	
screw/screw	6461 2 021-00
screw/IDC	6461 2 022-00
IDC/IDC	6461 2 023-00

Technical Details

- Rated voltage.....500V
- Housing materialflame retardant, halogen-free, tough thermoplastic polyamide
- Contact materialspecial copper alloy, nickel and tin-plated
- Screw/Clamp materialmild steel, nickel plated
- Pitch9.6mm
- Dimensions (LxWxH)9.6mm x 47mm x 41mm
- Wire sizes:
 - screw side.....Up to 4mm² (12AWG)
 - IDC side1mm² to 2.5mm² (14AWG)
- ComplianceIEC947-7-2



TERMINATOR TOOLS

The KRONE TERMINATOR Tools

The KRONE termination tools are an integral part of the TERMINATOR system and come in various versions to suit all budgets and applications. The tools are fully insulated and ergonomically designed for one hand operation (both left and right) and are used for all work on the system including:

- terminating/removing wire
- cutting wire to correct length (this feature is only supported by the Wire Cutting and Termination Tool)
- hinging open/close or removing/inserting the disconnect link
- inserting the IDC to screw adaptor

All the tools are designed specifically for use with the TERMINATOR system and terminates wires from 0.34mm² to 2.5mm².

Termination Tool ergonomically designed for one hand operation



Termination Tool

6461 2 005-00

A fully insulated tool for quick and easy termination and removal of wires.



Technical Data

- Number of terminations....5000
- Insulation resistance.....5MΩ
- Materialtough thermoplastic polyamide

Wire Cutting & Termination Tool

6461 2 032-00

The Wire Cutting and Termination Tool terminates and cuts wires in one single operation and a clicking noise indicates that the termination is complete. The tool is fitted with wire guide and wire removal device.

Termination head rotates through 90° increments to suit horizontally or vertically mounted terminals.



Technical Data

- Number of terminations....50000
- Insulation resistance.....5MΩ
- Insulation voltage.....1000V
- Materialtough thermoplastic polyamide with stainless

Disposable Termination Tool

6461 2 0XX-XX

The Disposable Termination Tool is suitable for small batch terminations and fits on to a standard 4mm dia electrician's flat blade or phillips head screw driver. The tool features a hole for easy mounting inside cabinets.



Technical Details

- No of terminations:>1000
- Insulation resistance.....5MΩ
- Material:tough thermoplastic polyamide

ACCESSORIES

Fuse Holder - 6mm Pitch

6461 2 03X-XX

This pluggable Fuse Holder permits fusing of every circuit and both polarities of a TERMINATOR disconnect module (after the disconnect link has been removed) to protect electrical circuits. The Fuse Holder is available with blown fuse indication and can accommodate top entry test plugs (2mm dia.) and commercially available label markers. It accepts G-type cartridge fuses 5x20mm dia to IEC 127-2.



6mm Pitch Fuse Holder with blown-fuse indication (left) and standard 6mm Pitch Fuse Holder (right).

Technical Data

- Rated voltage 250V
- Rated current/power . . . up to 6.3A
- Degree of protection . . . IP20
- Pitch 6mm
- Material flame retardant, tough thermoplastic polyamide housing with special copper alloy, nickel and tin plated contacts
- Conformance IEC 127-6

Hinged Label Holder

6461 2 034-00

The Hinged Label Holder allows marking and labelling on TERMINATOR modules. The unique hinged construction enables the carrier to be lifted during termination work and testing. An added feature is that the Label Holder can slide between the incoming and outgoing terminations on the modules.

The carrier can accommodate a variety of commercially available marking labels. Alternatively, plastic labels provided with the kit can be used.

The Hinged Label Holder is made of tough thermoplastic material and is sold in a ten-position strip that can easily be broken down for three-position labelling.



Fuse Holder - 8mm Pitch

6461 2 003-00

This pluggable Fuse Holder permits fusing of every second circuit of a TERMINATOR disconnect module (after the disconnect link has been removed) to protect electrical circuits. It provides complete flexibility and overcomes the problem of changing circuit configurations. It accepts G-type cartridge fuses 5x20mm and 5x25mm dia to IEC 127-2.



Technical Data

- Rated voltage 250V/1W max
- Rated current/power6.3A/2.5W max or 10A/1W max
- Degree of protectionIP20
- Pitch 8mm
- Material (external) flame retardant, tough thermoplastic polyamide (internal) High temperature polycarbonate
- Conformance IEC 127-6

Label Holders

6461 2 0XX-XX

The label holders can be inserted in each terminal. They are suitable for marker pens and can accommodate commercially available marking labels.



Versions

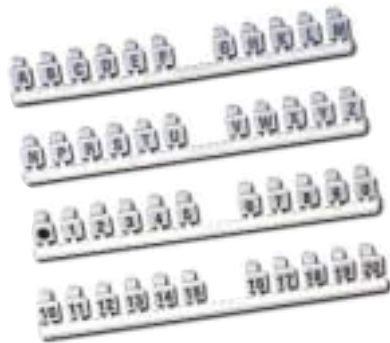
- Label Holder, white (bag of 10).....6461 2 012-00
- Warning Label Holder, yellow with red marking (bag of 10).....6461 2 009-00

ACCESSORIES

Plug Numbers & Letters

646X X XXX-XX

Plug Numbers and Letters can be used for marking the start of each module series. Various alphabetical and numerical sequences are available.



Versions

- A-M, N-Z, 1-0 and 10-20
(5 of each strip) pictured ..6461 2 007-00
- A-M (10 strips).....6461 2 007-01
- N-Z (10 strips)6461 2 007-02
- 10-20 (10 strips)6461 2 007-03
- 10-100 (10 strips)6468 3 029-01
- 1-0 (10 strips)6468 3 029-02
- 1-50 (10 strips printed 1,10,11,

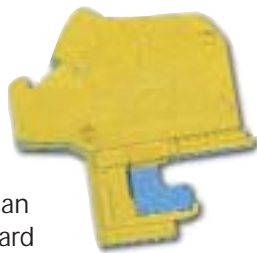
IDC to Screw Adaptor

6461 2 020-00

The IDC to Screw Adaptor allows terminals to be converted from insulation displacement to screw versions.

The plug-in Adaptor can handle multiple wires up to 4.0mm² and with its 6mm pitch, the Adaptor can locate in every position of a standard through or disconnect TERMINATOR module.

The Adaptor is terminated into the module using one of the TERMINATOR Termination Tools.



Technical Details

- Rated voltage:500V
- Rated current:24A - through module
10A - disconnect module
- Material:flame-retardant thermoplastic
polyamide housing with
nickel and tin-plated copper
alloy contacts
- Degree of protection: .IP20
- Pitch:6mm
- ComplianceIEC 998-2-3, IEC 998-2-1,
IEC 947-7-1

Test Plugs

6461 2 00X-XX

For voltage and current measurement on the TERMINATOR system.



Versions

- without socket, single pole, open one end,
0.5m fly lead6461 2 008-00
- with socket, single pole, with a 4mm banana socket,
0.5m fly lead6461 2 004-00
- patch cord, single pole, for bridging of two terminal,
0.5m fly lead6461 2 006-00

Technical Details

- Rated voltage.....500V
- Rated current.....10A
- Degree of protectionIP20
- Pitch6mm
- ComplianceIEC 998-2-3, IEC 998-1,

Profil to DIN Adaptors

6461 2 013-00

Two Profil to DIN Adaptors allow KRONE Profil Series 2 modules to be quickly clipped on to 35mm DIN-rail (DIN50022).



DIN to Profil Adaptor

6461 2 067-00

The DIN to Profil Adaptor allows TERMINATOR modules to be quickly clipped on to a KRONE Profil frame. The DIN-rail (35mm, DIN50022) takes 2x10-way TERMINATOR modules.



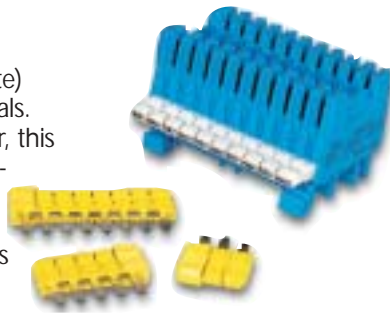
ACCESSORIES

Side Access Bridging Bars

6461 2 0XX-XX

Side Access Bridging Bars (yellow)
Rated at 500V and comes in pre-designated lengths for bridging 2-10 terminals.
(6461 2 011-XX)

50V Bridging Bar (white)
Bridges up to 10 terminals.
Available in a 10-line bar, this version has built-in snap-off points for separating into smaller bars and is designed for applications up to 50V.
(6461 2 069-00)



Features

- In-line, plug-in bridging for through and disconnect
- No screws or spacers required
- Bridging across 2 modules (by breaking off 1 blade)
- Bridging of alternate phase lines on same module

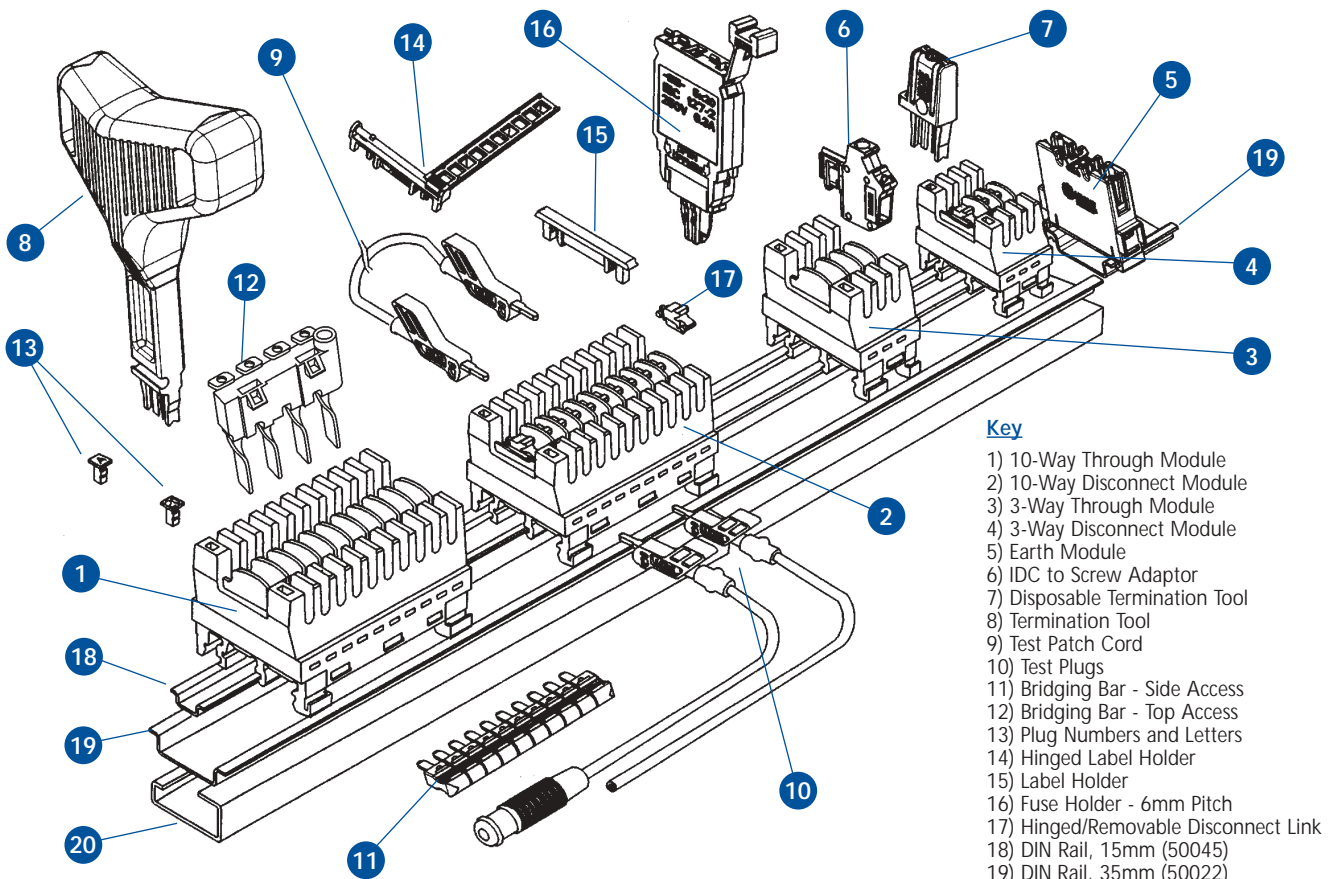
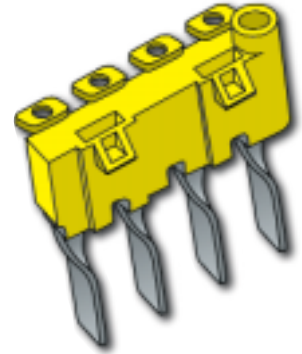
Technical Details

- Rated voltage:500V (standard B/Bar) or 50V (50V B/Bar)
- Rated current:24A
- Material:flame retardant thermoplastic polyamide housing with nickel plated copper alloy contacts

Top Access Bridging Bar

6461 2 211-XX

The Top Access Bridging Bar (yellow) is rated at 500V/18A and comes in pre-designated lengths for bridging 2-10 terminals. The Bridging Bar is inserted from the top of the module and features an access point for testing or jumpering (2-2.3mm banana plug). Individual blades can be broken off prior to connection and to mark this, a corresponding indicator tag can also be broken off.



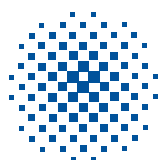
Key

- 1) 10-Way Through Module
- 2) 10-Way Disconnect Module
- 3) 3-Way Through Module
- 4) 3-Way Disconnect Module
- 5) Earth Module
- 6) IDC to Screw Adaptor
- 7) Disposable Termination Tool
- 8) Termination Tool
- 9) Test Patch Cord
- 10) Test Plugs
- 11) Bridging Bar - Side Access
- 12) Bridging Bar - Top Access
- 13) Plug Numbers and Letters
- 14) Hinged Label Holder
- 15) Label Holder
- 16) Fuse Holder - 6mm Pitch
- 17) Hinged/Removable Disconnect Link
- 18) DIN Rail, 15mm (50045)
- 19) DIN Rail, 35mm (50022)
- 20) DIN Rail (G-Rail) 16.5mm (50035)

Ordering Details

Part No	Description	Pack Quantity	Pack Weight
Through 1.5 Modules (for wires up to 1.5mm ²), blue marking			
6461 5 201-00	10-way white, numbered 1-0	box/10	0.721kg
6461 5 201-01	10-way blue, numbered 1-0	box/10	0.721kg
6461 5 201-50	10-way white, no numbering	box/10	0.721kg
6461 5 201-51	10-way blue, no numbering	box/10	0.721kg
6461 5 214-00	3-way white, no numbering	box/30	0.776kg
6461 5 214-01	3-way blue, no numbering	box/30	0.776kg
Through 2.5 Modules (for wires up to 2.5mm ²), red marking			
6461 5 216-00	10-way white, numbered 1-0	box/10	0.721kg
6461 5 216-01	10-way blue, numbered 1-0	box/10	0.721kg
6461 5 216-50	10-way white, no numbering	box/10	0.721kg
6461 5 216-51	10-way blue, no numbering	box/10	0.721kg
6461 5 225-00	3-way white, no numbering	box/30	0.776kg
6461 5 225-01	3-way blue, no numbering	box/30	0.776kg
Disconnect 1.5 Modules (for wires up to 1.5mm ²), blue marking			
6461 5 202-00	10-way white, numbered 1-0	box/10	0.775kg
6461 5 202-01	10-way blue, numbered 1-0	box/10	0.775kg
6461 5 202-50	10-way white, no numbering	box/10	0.775kg
6461 5 202-51	10-way blue, no numbering	box/10	0.775kg
6461 5 215-00	3-way white, no numbering	box/30	0.82kg
6461 5 215-01	3-way blue, no numbering	box/30	0.82kg
Disconnect 2.5 Modules (for wires up to 2.5mm ²), red marking			
6461 5 217-00	10-way white, numbered 1-0	box/10	0.775kg
6461 5 217-01	10-way blue, numbered 1-0	box/10	0.775kg
6461 5 217-50	10-way white, no numbering	box/10	0.775kg
6461 5 217-51	10-way blue, no numbering	box/10	0.775kg
6461 5 226-00	3-way white, no numbering	box/30	0.82kg
6461 5 226-01	3-way blue, no numbering	box/30	0.82kg
Interface Modules (for connecting wires up to 1.5mm ² (blue marking) on the top side of the module with wires up to 2.5mm ² (red marking) on the bottom side of the module)			
Through			
6461 5 228-00	10-way white, no numbering	box/10	0.721kg
6461 5 229-00	3-way white, no numbering	box/30	0.776kg
Disconnect			
6461 5 230-00	10-way white, no numbering	box/10	0.775kg
6461 5 231-00	3-way white, no numbering	box/30	0.82kg
Earth Terminals for connecting wires up to 1.5mm ² IDC or 4mm ² screw			
6461 2 021-00	1-way, screw to screw version	bag/5	0.747kg
6461 2 022-00	1-way, screw to IDC version	bag/5	0.72kg
6461 2 023-00	1-way, IDC to IDC version	bag/5	0.695kg
Adaptors			
6461 2 020-00	IDC to Screw Adaptor	bag/10	0.04kg
6461 2 013-00	Profil to DIN Adaptors	bag/10	0.05kg
6461 2 067-00	DIN-rail to Profil Adaptor	ea	0.05kg
Fuse Holders			
6461 2 003-00	Fuse Holder, 8mm pitch	bag/5	0.03kg
6461 2 035-00	Fuse Holder, 6mm pitch	bag/5	0.03kg
6461 2 036-00	Fuse Holder, 6mm pitch, 24V LED	bag/5	0.03kg
6461 2 036-01	Fuse Holder, 6mm pitch, 48V LED	bag/5	0.03kg
6461 2 037-00	Fuse Holder, 6mm pitch, 110-240V neon	bag/5	0.03kg

Part No	Description	Pack Quantity	Pack Weight
Test Cords/Test Plugs			
6461 2 006-00	Test Patch Cord, single pole	ea	0.03kg
6461 2 004-00	Test Plug with Socket, single pole	ea	0.023kg
6461 2 008-00	Test Plug w/out Socket, single pole	ea	0.017kg
Labelling			
6461 2 007-00	Marking Nos and Letters, set	bag/5	0.01kg
6461 2 007-01	Plug Letters, printed A-M	bag/10	0.01kg
6461 2 007-02	Plug Letters, printed N-Z	bag/10	0.01kg
6461 2 007-03	Plug Numbers, printed 10-20	bag/10	0.01kg
6468 3 029-01	Plug Numbers, printed 10-100	bag/10	0.01kg
6468 3 029-02	Plug Numbers, printed 1-0	bag/10	0.01kg
6468 3 029-03	Plug Numbers, printed 1-50	bag/10	0.01kg
6461 2 009-00	Label Holder, warning	bag/10	0.01kg
6461 2 012-00	Label Holder, white	bag/10	0.01kg
6461 2 034-00	Hinged Label Holder	bag/10	0.025kg
Bridging			
Top Access			
6461 2 211-02	Top Access Bridging Bar, 2-line	bag/10	0.2kg
6461 2 211-03	Top Access Bridging Bar, 3-line	bag/10	0.3kg
6461 2 211-04	Top Access Bridging Bar, 4-line	bag/10	0.4kg
6461 2 211-05	Top Access Bridging Bar, 5-line	bag/10	0.5kg
6461 2 211-06	Top Access Bridging Bar, 6-line	bag/10	0.6kg
6461 2 211-07	Top Access Bridging Bar, 7-line	bag/10	0.7kg
6461 2 211-08	Top Access Bridging Bar, 8-line	bag/10	0.8kg
6461 2 211-09	Top Access Bridging Bar, 9-line	bag/10	0.9kg
6461 2 211-10	Top Access Bridging Bar, 10-line	bag/10	1.0kg
6461 2 211-11	Top Access Bridging Bar Multipack (2 x each length)	bag/18	1.1kg
6461 2 211-12	Top Access Bridging Bar Multipack (1 x each length)	bag/9	0.55kg
Side Access			
6461 2 011-02	Standard Bridging Bar, 2-line	bag/10	0.2kg
6461 2 011-03	Standard Bridging Bar, 3-line	bag/10	0.3kg
6461 2 011-04	Standard Bridging Bar, 4-line	bag/10	0.4kg
6461 2 011-05	Standard Bridging Bar, 5-line	bag/10	0.5kg
6461 2 011-06	Standard Bridging Bar, 6-line	bag/10	0.6kg
6461 2 011-07	Standard Bridging Bar, 7-line	bag/10	0.7kg
6461 2 011-08	Standard Bridging Bar, 8-line	bag/10	0.8kg
6461 2 011-09	Standard Bridging Bar, 9-line	bag/10	0.9kg
6461 2 011-10	Standard Bridging Bar, 10-line	bag/10	1.0kg
6461 2 011-11	Standard Bridging Bar Multipack (2 x each length)	bag/18	1.1kg
6461 2 011-12	Standard Bridging Bar Multipack (1 x each length)	bag/9	0.55kg
6461 2 069-00	50V Bridging Bar, 10-line	bag/10	1.0kg
Tools			
6461 2 005-00	Termination Tool	ea	0.66kg
6461 2 038-00	Disposable Termination Tool	bag/100	0.24kg
6461 2 070-00	Disposable Termination Tool	bag/10	0.03kg
6461 2 032-00	Wire Cutting & Termination Tool	ea	0.27kg



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