

SNK SERIES DYNAMIC PLUGGABLE TERMINAL BLOCKS

Pluggable technology



THE BENEFIT OF 2 HIGH QUALITY CONNECTION TECHNOLOGIES: PI-SPRING AND DYNAMIC SERIES IN A SINGLE TERMINAL BLOCK

The ENTRELEC SNK series Dynamic pluggable terminal blocks are combining the benefits of two well known technologies, the PI-Spring technology (Push-in and spring) and TE Connectivity Dynamic series (reliable crimp connectors) to offer wiring efficiency, compacity and reliability.

This hybrid terminal block is the preferred choice for OEM, semi-conductors machine builders and harness makers.

Speed up your project

Modularity brings assembly flexibility

Pluggable technology brings modularity into the electrical installation allowing the combination of sub-assemblies and prewired harnesses that facilitate and considerably accelerate assembly test and factory commissioning.

Dynamic crimp technology allows quick harness making

TE Connectivity, the inventor of crimping technology provides high level crimp performance with TE tooling. Dynamic connection can be crimped with manual or automatic crimping tools.

Better project identification

Circuit identification is improved thanks to the 20% larger marking area.

- Pre-mark by hand or with label on our flat marking surface and start immediately the wiring, before the final markers mounting
- Spare markers re-printing in case of modifications.

Easy to install

One step process Dynamic connection plug insertion

The Dynamic receptacle contact crimped with the wire can be simply pushed into the plug in one step. A “click” ensures that the contact is correctly positionned and locked.

Smart design facilitating assembly process

- Mounting, wiring, testing... made easy.
- Create your own assemblies without tooling:
 - Easily snap together multiple plugs thanks to the dove-tail shapes of plugs
 - Eliminate stock of pre-configured plugs.

Smart and faster accessories mounting

- Save up to 70% mounting time thanks to screwless jumpers, component plugs, test devices, end stops and snap-in ground terminal blocks.
- Smart plug-in jumpers with pre-cut poles removable by hand: clean cut. Insulated up to 1000 V. Predefined shapes in molding to easily identify connected poles with a pen.
- Flexible test solutions from individual insulated test adapter to test connectors for complete assemblies testing.

Reliable in harsh environment

Qualified for worldwide markets, applications

Certified as per standard worldwide approvals (IEC, UL ...) as well as harsh environments such as railway, Marine.

Dynamic technology reliability

- Anti-twist contact structure with 3 contact points developed for motor industry.
- High contact pressure for vibration prone applications.
- High current in small size (up to 15 A).
- Audible latching when mating.

Safety and protection

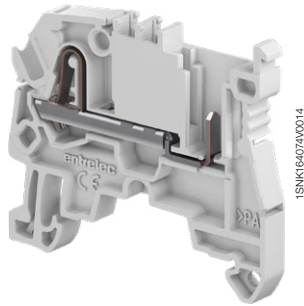
- Eliminate connection errors with coding pegs:
 - Simply insert the pegs to create a coding sequence.
- Secure your wiring against accidental tearing:
 - Automatic locking function
 - Lock safely 2 to 8 plugs with only one locking device
 - Cable clamp secures the wires onto the plug when pulling the plug assembly.

ZDK2.5-11-D3000 PI-Spring Dynamic pluggable terminal blocks

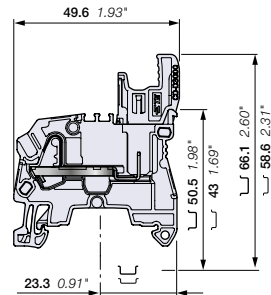
Feed-through - 5.2 mm 0.205 in spacing



14 AWG



ZDK2.5-11-D3000



5.2 mm 0.205 in spacing

Description

- Increase your productivity with Dynamic pluggable terminal blocks that combine flexibility of Push-In & Spring technology and Dynamic crimp technology,
- Simplify and secure your installation: in site faulty connection errors are eliminated, prior connection testing is eased and reliable, test connectors (TC5) withstanding 10 000 operations are compatible for convenient testing.

Ordering details

| Description | Color | Type | Part Number | Pkg qty | Weight (1 pce) g |
|----------------------------|-------|-----------------|-----------------|---------|------------------|
| Feed-through 2 connections | Grey | ZDK2.5-11-D3000 | 1SNK805018R0000 | 50 | 7.00 |

Main technical data

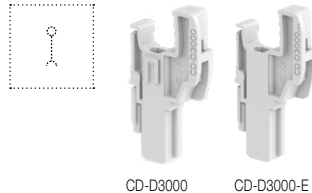
| Connecting capacity | IEC | UL - CSA |
|---|---|--|
| 1 conductor per clamp | Rigid: Solid/Stranded Flexible without ferrule Flexible with non insulated ferrule Flexible with insulated ferrule | 24 – 12 AWG 26 ... 12 AWG 24 – 14 AWG 26 ... 14 AWG |
| 2 conductors per clamp | Flexible with twin ferrule | 24 – 20 AWG 26 ... 20 AWG |
| Rated current / Rated cross section | 20 A / 14 AWG | 15 A / 14 AWG |
| Rated short-time withstand current (1s) | 300 A | |
| Rated voltage | 1000 V | 600 V |
| Impulse withstand voltage | 8000 V | |
| Protection | IP20 | NEMA 1 |

Mounting instructions

| | | |
|---|--|--|
| Rail | | TH 35-7.5, TH 35-15 |
| Wire stripping length | | 11 mm 0.433 in |
| Tool (for flexible conductor without ferrule) | | Flat screwdriver Ø 3.5 mm Ø 0.138 in |

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>

| | | | | | | | | | | | | | | | | | | | |
|----|-----|------|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CE | IEC | RoHS | UL | | | | | | | | | | | | | | | | |
| CE | CB | RoHS | UL | US | | | | | | | | | | | | | | | |



CD-D3000 CD-D3000-E

Female plugs

| Description | Color | Type | Part Number | Pkg qty | Weight (1 pce) g |
|---|-------|------------|-----------------|---------|------------------|
| Female plug with dovetail 1 pole | Grey | CD-D3000 | 1SNK805758R0000 | 50 | 1.21 |
| Female end plug without dovetail 1 pole | | CD-D3000-E | 1SNK805759R0000 | 50 | 1.21 |

15 poles max.

Accessories

| Description | Color | Type | Part Number | Pkg qty | Weight (1 pce) g |
|--|-----------|-----------------|-----------------|---------|------------------|
| 1 End stops 5.2 mm 0.205 in | Dark grey | BAZ1 | 1SNK900002R0000 | 50 | 5.30 |
| 2 End sections 1.5 mm 0.059 in | Dark grey | EDK2.5-11 | 1SNK805915R0000 | 20 | 1.49 |
| 3 Jumper bars 2 poles 32 A (IEC) | Orange | JB5-2 | 1SNK905302R0000 | 50 | 1.30 |
| 3 poles 32 A (IEC) | | JB5-3 | 1SNK905303R0000 | 50 | 2.00 |
| 4 poles 32 A (IEC) | | JB5-4 | 1SNK905304R0000 | 50 | 2.70 |
| 5 poles 32 A (IEC) | | JB5-5 | 1SNK905305R0000 | 50 | 3.50 |
| 10 poles 32 A (IEC) | | JB5-10 | 1SNK905310R0000 | 30 | 7.10 |
| 50 poles 32 A (IEC) | | JB5-50 | 1SNK905350R0000 | 10 | 36.00 |
| 4 Cross spacing jumpers 3 poles 32 A (IEC) | Orange | JB85-3 | 1SNK900603R0000 | 10 | 2.80 |
| 5 Circuit separators 3 mm 0.118 in | Dark grey | CS-R2 | 1SNK900106R0000 | 20 | 3.80 |
| 6 Test adapters For test plugs DIA 2 mm 0.079 in | Dark grey | TP2 | 1SNK900203R0000 | 20 | 1.70 |
| For test plugs DIA 4 mm 0.157 in | | TP4 | 1SNK900205R0000 | 20 | 2.40 |
| 7 Test connectors 5.2 mm 0.205 in spacing | Dark grey | TC5 | 1SNK900200R0000 | 10 | 5.20 |
| End module, 5.2 mm 0.205 in | | TC5-R1 | 1SNK900201R0000 | 10 | 5.20 |
| 8 Coding pegs | Dark grey | COP-ZD | 1SNK900636R0000 | 10 | 3.57 |
| 9 Terminal block markers Blank card | White | MC512 | 1SNK140000R0000 | 22 | 9.00 |
| | | MC512PA | 1SNK149999R0000 | 20 | 10.00 |
| Blank marker | | MG-CPM 13 41790 | 1SNB041790R0512 | 1960 | 0.236 |
| Universal wire markers holder | Grey | UMH | 1SNK900611R0000 | 10 | 0.20 |

Complete list of accessories is indicated in the terminal block datasheet including end stops.

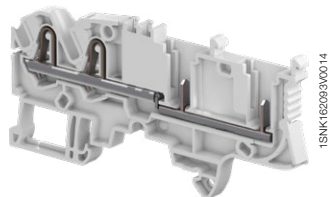
Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.

ZDK2.5-22-D3000 PI-Spring Dynamic pluggable terminal blocks

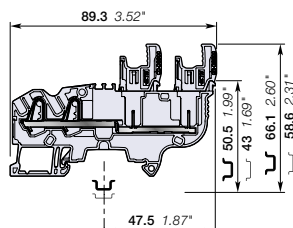
Feed-through - 5.2 mm 0.205 in spacing



14 AWG



ZDK2.5-22-D3000



5.2 mm 0.205 in spacing

Description

- Increase your productivity with pluggable terminal blocks: possibility of pre-produced plugs harnesses, time saving plug and play assembly, reduced transportation panels preparation and final installation, easily connect sub-assemblies together,
- Simplify and secure your installation: in site faulty connection errors are eliminated, prior connection testing is eased and reliable, test connectors (TC5) withstanding 10 000 operations are compatible for convenient testing.

Ordering details

| Description | Color | Type | Part Number | Pkg qty | Weight (1 pce) g |
|----------------------------|-------|-----------------|-----------------|---------|------------------|
| Feed-through 4 connections | Grey | ZDK2.5-22-D3000 | 1SNK805019R0000 | 50 | 9.60 |

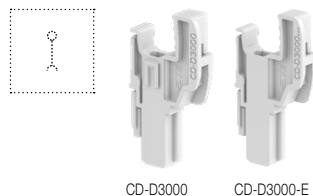
Main technical data

| Connecting capacity | | IEC | UL - CSA |
|---|-------------------------------------|---------------|---------------|
| 1 conductor per clamp | Rigid: Solid/Stranded | 24 – 12 AWG | 26 ... 12 AWG |
| | Flexible without ferrule | 24 – 14 AWG | |
| | Flexible with non insulated ferrule | 24 – 14 AWG | 26 ... 14 AWG |
| | Flexible with insulated ferrule | 24 – 14 AWG | 26 ... 14 AWG |
| 2 conductors per clamp | Flexible with twin ferrule | 24 – 20 AWG | 26 ... 20 AWG |
| | | | |
| Rated current / Rated cross section | | 20 A / 14 AWG | 15 A / 14 AWG |
| Rated short-time withstand current (1s) | | 300 A | |
| Rated voltage | | 1000 V | 600 V |
| Impulse withstand voltage | | 8000 V | |
| Protection | | IP20 | NEMA 1 |

Mounting instructions

| | | |
|---|--|--------------------------------------|
| Rail | | TH 35-7.5, TH 35-15 |
| Wire stripping length | | 11 mm 0.433 in |
| Tool (for flexible conductor without ferrule) | | Flat screwdriver Ø 3.5 mm Ø 0.138 in |

The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.TE.com>



CD-D3000











CD-D3000-E

Female plugs

| Description | Color | Type | Part Number | Pkg qty | Weight (1 pce) g |
|---|-------|------------|-----------------|---------|------------------|
| Female plug with dovetail 1 pole | Grey | CD-D3000 | 1SNK805758R0000 | 50 | 1.21 |
| Female end plug without dovetail 1 pole | | CD-D3000-E | 1SNK805759R0000 | 50 | 1.21 |

15 poles max.

Accessories

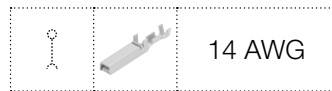
| Description | | | | Color | Type | Part number | | Pkg qty | Weight (1 pce) g |
|-------------|------------------------|----------------------------------|-------------------------------|---|--|-----------------|-----------------|------------|---------------------|
| 1 | End stops | 5.2 mm | 0.205 in | Dark grey  | BAZ1 | 1SNK900002R0000 | | 50 | 5.30 |
| 2 | End sections | 2.2 mm | 0.087 in | Dark grey  | EDK2.5-22 | 1SNK805910R0000 | | 20 | 3.15 |
| 3 | Jumper bars | 2 poles | 32 A (IEC) | Orange  | JB5-2 | 1SNK905302R0000 | | 50 | 1.30 |
| | | 3 poles | 32 A (IEC) | | JB5-3 | 1SNK905303R0000 | | 50 | 2.00 |
| | | 4 poles | 32 A (IEC) | | JB5-4 | 1SNK905304R0000 | | 50 | 2.70 |
| | | 5 poles | 32 A (IEC) | | JB5-5 | 1SNK905305R0000 | | 50 | 3.50 |
| | | 10 poles | 32 A (IEC) | | JB5-10 | 1SNK905310R0000 | | 30 | 7.10 |
| | | 50 poles | 32 A (IEC) | | JB5-50 | 1SNK905350R0000 | | 10 | 36.00 |
| 4 | Cross spacing jumpers | 3 poles | 32 A (IEC) | Orange  | JB85-3 | 1SNK900603R0000 | | 10 | 2.80 |
| 5 | Circuit separators | 3 mm | 0.118 in | Dark grey  | CS-R3 | 1SNK900107R0000 | | 20 | 6.40 |
| 6 | Test adapters | For test plugs DIA 2 mm 0.079 in | | Dark grey  | TP2 | 1SNK900203R0000 | | 20 | 1.70 |
| | | For test plugs DIA 4 mm 0.157 in | | | TP4 | 1SNK900205R0000 | | 20 | 2.40 |
| 7 | Test connectors | 5.2 mm 0.205 in spacing | | Dark grey  | TC5 | 1SNK900200R0000 | | 10 | 5.20 |
| | | End module, 5.2 mm 0.205 in | | | TC5-R1 | 1SNK900201R0000 | | 10 | 5.20 |
| 8 | Coding pegs | | | Dark grey  | COP-ZD | 1SNK900636R0000 | | 10 | 3.57 |
| 9 | Terminal block markers | Blank marker | | White  | MG-CPM 13 41790 | 1SNB041790R0512 | | 1960 | 0.23 |
| | | Blank card | | | MC512 | 1SNK140000R0000 | | 22 | 9.00 |
| | | | | | MC512PA | 1SNK149999R0000 | | 20 | 10.00 |
| | | | Universal wire markers holder | | Grey  | UMH | 1SNK900611R0000 | | 10 |

Complete list of accessories is indicated in the terminal block datasheet including end stops.

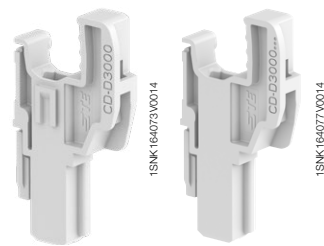
Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.

CD-D3000 Dynamic plugs

Female plug - 5.2 mm 0.205 in spacing

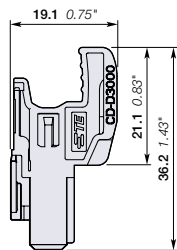


14 AWG



CD-D3000

CD-D3000-E



5.2 mm 0.205 in spacing

Description

- Create your own female plug assemblies without any special tools, easily snap together multiple plugs for optimal ergonomics and quick assembly,
- Increase your flexibility: eliminate stock of pre-configured female plugs, easily add an extra plug in case of needed modification,
- Reduce your stock of unitary plugs up to 30%: only two plug variants are required to compose your own subsets of plugs from 2 to 15 poles.

Ordering details

| Description | Color | Type | Part Number | Pkg qty | Weight (1 pce) g |
|------------------------------|-------------------------------|------------|-----------------|---------|------------------|
| Female plug with dovetail | Grey <input type="checkbox"/> | CD-D3000 | 1SNK805758R0000 | 50 | 1.21 |
| Female plug without dovetail | Grey <input type="checkbox"/> | CD-D3000-E | 1SNK805759R0000 | 50 | 1.21 |

Compatible dynamic receptacles

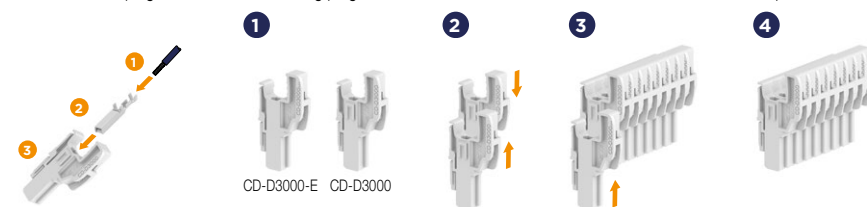
| Description | Wire Size | | Part Number | | Contact Current Rating (Max) |
|---------------------------------|-----------|------------|-------------|--|------------------------------|
| | AWG | Strip Form | Loose Piece | | |
| Dynamic D-3 Rec Cont/S Pre-Tin | 24 | 1-175194-5 | 1-175216-5 | | 15 |
| Dynamic D-3 Rec Cont/M Pre-Tin | 22 – 20 | 1-175195-5 | 1-175217-5 | | 15 |
| Dynamic D-3 Rec Cont/L Pre-Tin | 16 | 1-175196-5 | 1-175218-5 | | 15 |
| Dynamic D-3 Rec Cont/2L Pre-Tin | 14 | 1-917484-5 | 1-917511-5 | | 15 |
| Dynamic D-3 Rec Cont/3L Pre-Tin | 14 | 1-353715-5 | 1-353717-5 | | 15 |

Mounting instructions

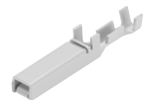
Connection of a plug

Assembling plugs to create a connector

15 poles max.



- 1 Insert stripped wire in Dynamic contact
- 2 Crimp the wire on Dynamic contact
- 3 Dynamic contact is inserted in plug and locked



Dynamic 3000 series, tin plated receptacles.
When placing your order, please check with sales team for proper catalogue: [📖](#)



Accessories

| Description | Color | Type | Part number | Pkg qty | Weight (1 pce) g |
|--------------------------|---|-----------------|-----------------|---------|------------------|
| 1 Locking devices | Black <input checked="" type="checkbox"/> | VR-ZD | 1SNK900637R0000 | 50 | 0.7 |
| 2 Cable clamp | Dark grey <input checked="" type="checkbox"/> | PT-ZD | 1SNK900660R0000 | 50 | 1.04 |
| 3 Terminal block markers | White <input type="checkbox"/> | MG-CPM 13 41790 | 1SNB041790R0512 | 1960 | 0.23 |
| | | MG-CPMFA 43196 | 1SNB043196R0012 | 350 | 2.56 |
| | | MC512 | 1SNK140000R0000 | 22 | 9.00 |
| | | MC512PA | 1SNK149999R0000 | 20 | 10.00 |
| | Grey <input type="checkbox"/> | UMH | 1SNK900611R0000 | 10 | 0.20 |

Complete list of accessories is indicated in the terminal block datasheet including end stops.

Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.

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09/22

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