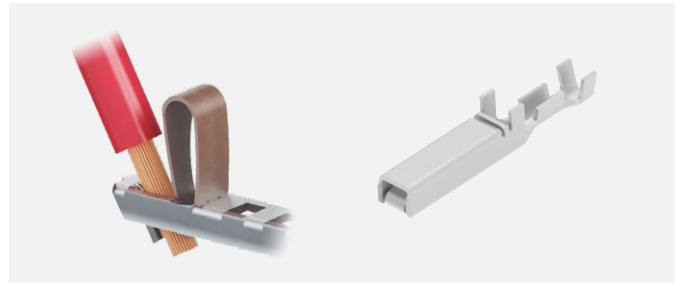




SNK SERIES DYNAMIC PLUGGABLE TERMINAL BLOCKS

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.

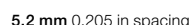
Dynamic technology reliability

- 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.

Feed-through - 5.2 mm 0.205 in spacing



- 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.

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

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

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>



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.

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
					TC5	1SNK900200R0000	10	5.20
7	Test connectors	5.2 mm	0.205 in spacing	Dark grey	TC5-R1	1SNK900201R0000	10	5.20
		End module, 5.2 mm	0.205 in					
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	1SNKB041790R0512	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.

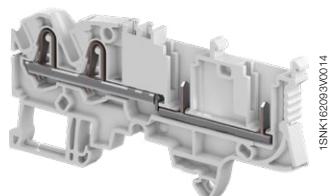
Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.

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

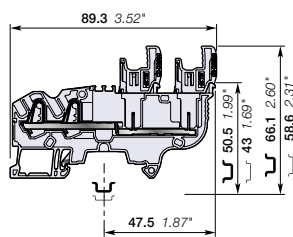
Feed-through - 5.2 mm 0.205 in spacing



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

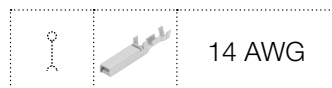
Description	Color	Type	Part number	Pkg qty	Weight (1 pce) g
1 End stops 5.2 mm 0.205 in	Dark grey	BAZ1	1SNK900002R0000	50	5.30
2 End sections 2.2 mm 0.087 in	Dark grey	EDK2.5-22	1SNK805910R0000	20	3.15
3 Jumper bars	Orange	JB5-2	1SNK905302R0000	50	1.30
		JB5-3	1SNK905303R0000	50	2.00
		JB5-4	1SNK905304R0000	50	2.70
		JB5-5	1SNK905305R0000	50	3.50
		JB5-10	1SNK905310R0000	30	7.10
		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	Dark grey	TP2	1SNK900203R0000	20	1.70
		TP4	1SNK900205R0000	20	2.40
7 Test connectors	Dark grey	TC5	1SNK900200R0000	10	5.20
		TC5-R1	1SNK900201R0000	10	5.20
8 Coding pegs	Dark grey	COP-ZD	1SNK900636R0000	10	3.57
9 Terminal block markers	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.23
		MC512	1SNK140000R0000	22	9.00
		MC512PA	1SNK149999R0000	20	10.00
	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.

CD-D3000 Dynamic plugs

Female plug - 5.2 mm 0.205 in spacing

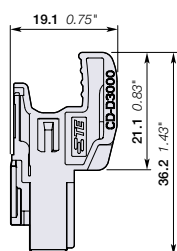


14 AWG



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 ☐	CD-D3000	1SNK805758R0000	50	1.21
Female plug without dovetail	Grey ☐	CD-D3000-E	1SNK805759R0000	50	1.21

Compatible dynamic receptacles

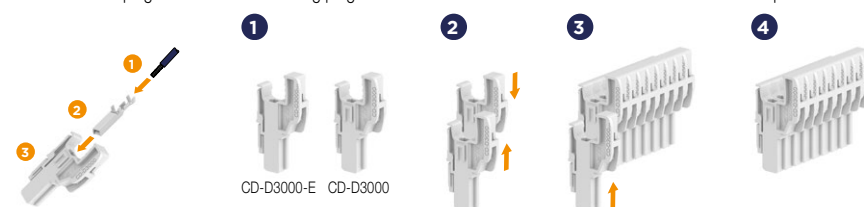
Description	Wire Size		Part Number		Contact Current Rating (Max)
	AWG	Strip Form	Loose Piece		
Dynamic D-3 Rec Cont/S Pre-Tin	24	1-175194-5	1-175216-5		15
Dynamic D-3 Rec Cont/M Pre-Tin	22 – 20	1-175195-5	1-175217-5		15
Dynamic D-3 Rec Cont/L Pre-Tin	16	1-175196-5	1-175218-5		15
Dynamic D-3 Rec Cont/2L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

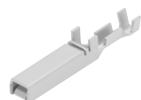
Connection of a plug

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 ☒	VR-ZD	1SNK900637R0000	50	0.7
2 Cable clamp	Dark grey ☒	PT-ZD	1SNK900660R0000	50	1.04
3 Terminal block markers	White ☐	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 ☐	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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