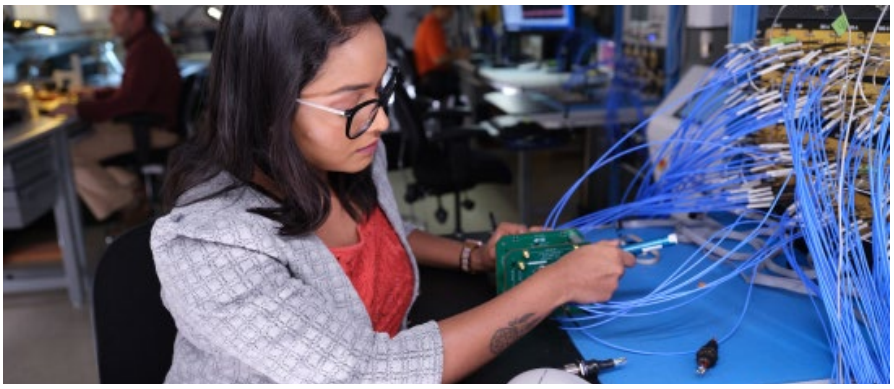
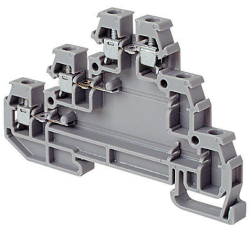
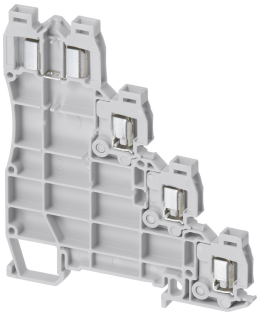


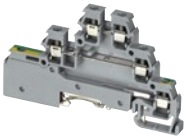




SENSOR/ACTUATOR TERMINAL BLOCKS

Screwclamp, Spring and ADO Sytem®, technology

Dedicated applications terminal blocks
Sensors / Actuators



Technologies presentation 2
Overview 3

Screw clamp technology

2 wire sensor

2.5 mm² / 12 AWG — **D2.5/6.DP** 4

3 wire sensor

2.5 mm² / 12 AWG — **D2.5/6.DA** 5
D2.5/6.D 6
D2.5/6.DL With red led 7
D2.5/6.DAL With green led 8

Thermocouple

MTC6 9

Spring clamp technology

3 wire sensor

1.5 mm² / 16 AWG — **D2.5/5.C3.L** 10
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4 wire sensor

1.5 mm² / 16 AWG — **D2.5/5.C4.L** 12
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ADO-ADO technology

3 wire sensor

1 mm² / 20 AWG — **D1/5.C3.ADO** 14
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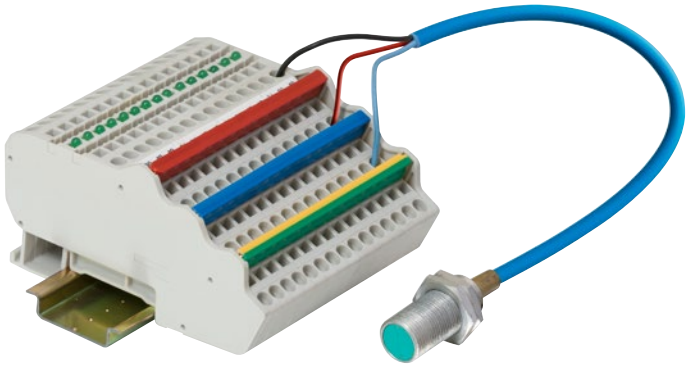
4 wire sensor

1 mm² / 20 AWG — **D1/5.C4.ADO** 16
D1/5.C4.ADO.L With green led 17

1SNC160101S0201



The smart choice for process automation applications

Process automation applications typically require the use of a large number of digital or analog signals and sensors.
The space constraint is often an issue in regards to this large volume of signals to handle.
TE Connectivity sensor and actuator terminal blocks reduce the installation costs, speed the wiring and ease commissioning thanks to:

- Compact multi deck terminals blocks for 3 & 4 wire sensors
- Potentials distribution via jumper (positive, negative, ground)
- Signal indication via LED for circuit status indication.

Select from our large choice of solutions and technologies

Classic and compact screw clamp terminal blocks

The product family features very compact dimensions.
It is the preferred choice for small junction boxes when panel height is a constraints. Our terminals are compatible with:

- 2 wire and 3 wire sensors
- PNP & NPN sensors.

Convenient and ergonomic spring clamp terminal blocks

The product family features popular spring technology particularly appreciated in process industry.
Our product family offers:

- Compatibility with 2, 3 and 4 wire sensors
- Compatibility with NPN and PNP sensors thanks to bidirectional LED indicators
- Color coded 34 poles plug-in jumpers adapted to popular PLC I/O cards configurations (8, 16, 32 channels).

ADO System® terminal blocks: experience the fastest and most reliable connection on the market

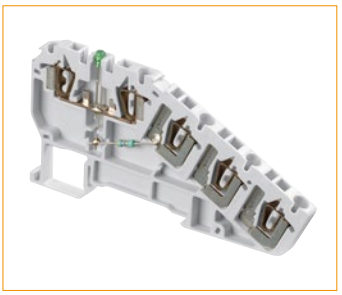
Our exclusive ADO System® combines speed on connection with top reliability of connection. Our product family offers:

- Compatibility with 2, 3 and 4 wire sensors
- Compatibility with NPN and PNP sensors thanks to bidirectional LED indicators
- Color coded 66 poles plug-in jumpers adapted to all PLC I/O cards configurations (8,16, 32 & 64 channels).

Universal thermocouple terminal block

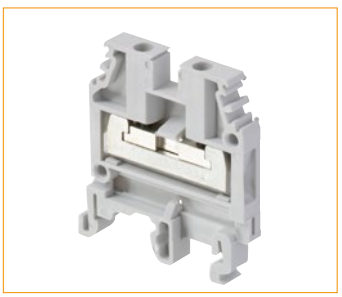
This terminal block allows connection of all types of temperature thermocouple sensors. Its exclusive design allows thermocouple wire extention with no loss of signal integrity.
Learn more in the related page of our catalog.

Screw clamp terminal block



Spring terminal block

ADO System® terminal block



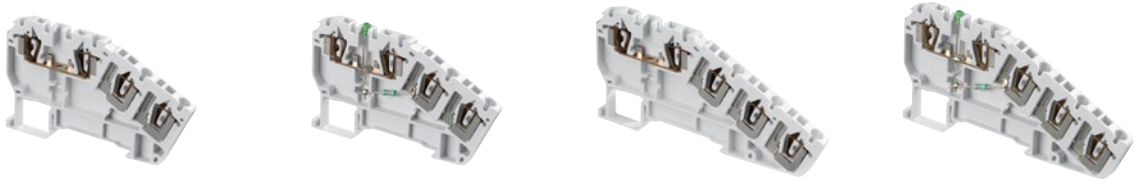
Thermocouple terminal block

1SNC161167S0201

Screw clamp technology

Section		2 wire sensor	3 wire sensor				Thermocouple
IEC	UL/CSA						
2.5 mm²	12 AWG	**D2.5/6.DP** 6 mm 0.236 in	**D2.5/6.DA** 6 mm 0.236 in	**D2.5/6.D** 6 mm 0.236 in	**D2.5/6.DL** 6 mm 0.236 in	**D2.5/6.DAL** 6 mm 0.236 in	**MTC6** 6 mm 0.236 in

Spring clamp technology



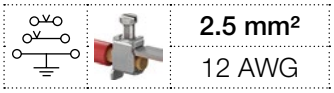
Section		3 wire sensor		4 wire sensor	
IEC	UL/CSA				
1.5 mm²	16 AWG	**D2.5/5.C3.L** 5 mm 0.197 in	**D2.5/5.C3.L.L** 5 mm 0.197 in	**D2.5/5.C4.L** 5 mm 0.197 in	**D2.5/5.C4.L.L** 5 mm 0.197 in

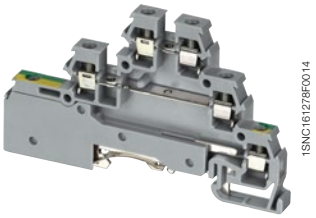
ADO - ADO technology

Section		3 wire sensor		4 wire sensor	
IEC	UL/CSA				
1 mm²	20 AWG	**D1/5.C3.ADO** 5 mm 0.197 in	**D1/5.C3.ADO.L** 5 mm 0.197 in	**D1/5.C4.ADO** 5 mm 0.197 in	**D1/5.C4.ADO.L** 5 mm 0.197 in

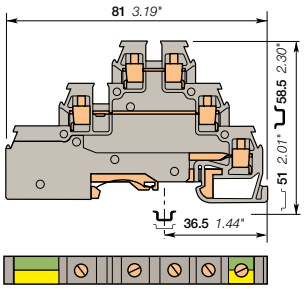
1SNC160063S0201

D2.5/6.DP screw clamp terminal blocks
Double deck + ground - 6 mm 0.236 in spacing





D2.5/6.DP



6 mm 0.236 in spacing

Description

– Save space with triple deck terminal blocks: 2 independent circuits in just 6 mm 0.236 in spacing,
– Adapted for 2 wires sensor/actuator with ground.

Ordering details

Description		Color	Type	Part Number		Pkg qty	Weight (1 pce) g
Feed-through + ground	For 2 wires sensor with ground - 2 feed-through circuits - 1 ground circuit	Grey, Green-Yellow	D2.5/6.DPA1	1SNA115643R2700		25	16.00

Main technical data

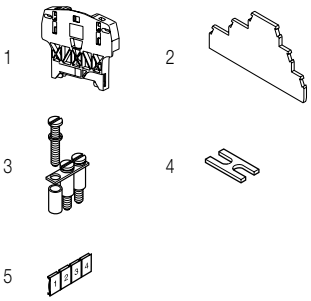
Connecting capacity		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.2-2.5 mm²	20-12 AWG	22-14 AWG
	Flexible without ferrule	0.22-2.5 mm²		
	Flexible with insulated ferrule			
	Gauge	A2		
Rated current / Rated cross section		22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)		300 A		
Rated voltage		380 V	300 V	300 V
Impulse withstand voltage				
Protection		IP20	NEMA 1	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 N.m 3.5 - 5.3 lb.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 RoHS USR CSA Gost R



Accessories

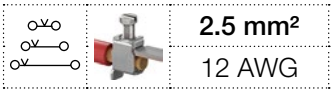
	Description			Color	Type	Part Number		Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAZH1	1SNK900102R0000		20	24.00
2	**End sections**	3 mm	0.118 in	Grey □	FED3E	1SNA116771R2000		20	3.80
3	**Jumper bars**	2 poles	22 A		BJD6	1SNA178024R2500		10	1.00
		3 poles				1SNA178025R2600		10	2.00
		4 poles				1SNA178026R2700		10	2.00
		5 poles				1SNA178027R2000		10	3.00
		10 poles				1SNA178032R2500		10	6.00
		20 poles				1SNA178033R2600		5	12.00
4	**Cross spacing jumpers**	5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in			EL61	1SNA177812R1700		10	0.10
5	**Terminal block markers**	Blank card		White □	RC65	1SNA232000R0000		1	3.60

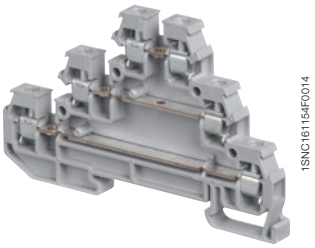
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

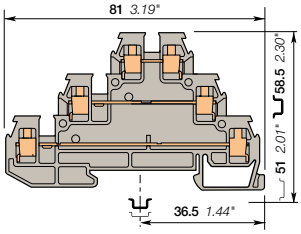
1SNC161091S0201 - Rev. B

D2.5/6.DA screw clamp terminal blocks
Triple deck - 6 mm 0.236 in spacing





D2.5/6.DA



6 mm 0.236 in spacing

Description

– Save space with triple deck terminal blocks: 3 independent circuits connected in just 6 mm 0.236 in spacing,
– Adapted for 3 wires sensor/actuator.

Ordering details

Description		Color	Type	Part Number	Pkg qty	Weight (1 pce) g
Feed-through	For 3 wires sensor - 3 feed-through circuits	Grey	D2.5/6.DA	1SNA115541R1100	25	13.00
		Blue	D2.5/6.DA.N	1SNA125541R1300		

Main technical data

Connecting capacity		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.2-2.5 mm²	20-12 AWG	22-14 AWG
	Flexible without ferrule	0.22-2.5 mm²		
	Flexible with insulated ferrule			
	Gauge	A2		
Rated current / Rated cross section		22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)		300 A		
Rated voltage		380 V	300 V	300 V
Impulse withstand voltage				
Protection		IP20	NEMA 1	

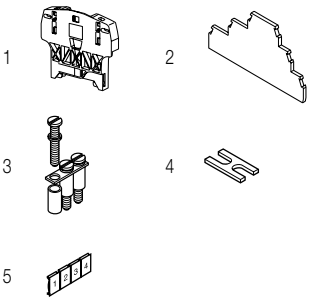
The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. for more details, please consult our CB, UL or CSA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

CE RoHS USR CSA Gost R

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 N.m 3.5 - 5.3 lb.in

Accessories



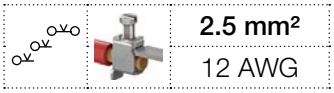
	Description			Color	Type	Part Number	Pkg qty	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAZH1	1SNK900102R0000	20	24.00
2	**End sections**	3 mm	0.118 in	Grey	FED3E	1SNA116771R2000	20	3.80
3	**Jumper bars**	2 poles	22 A		BJD6	1SNA178024R2500	10	1.00
		3 poles				1SNA178025R2600	10	2.00
		4 poles				1SNA178026R2700	10	2.00
		5 poles				1SNA178027R2000	10	3.00
		10 poles				1SNA178032R2500	10	6.00
		20 poles				1SNA178033R2600	5	12.00
4	**Cross spacing jumpers**	5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in			EL61	1SNA177812R1700	10	0.10
5	**Terminal block markers**	Blank card		White	RC65	1SNA232000R0000	1	3.60

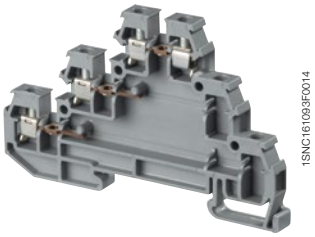
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

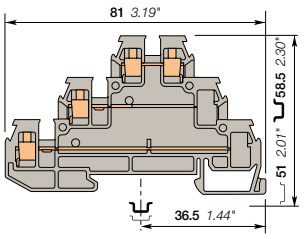
1SNC161084S0201 - Rev. B

D2.5/6.D screw clamp terminal blocks
Sensors / Actuators - 6 mm 0.236 in spacing





D2.5/6.D



6 mm 0.236 in spacing

Description

Save space with triple deck terminal blocks: adapted for 3 wires sensor/actuator in just 6 mm 0.236 in spacing.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	For 3 wire sensor with a jumper channel on each deck	Grey ☐	D2.5/6.D	1SNA115542R1200		25	10.00

Main technical data

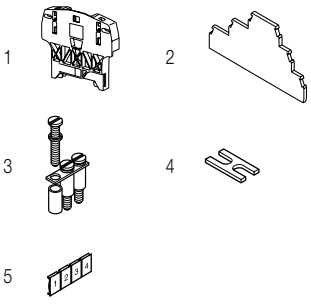
		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.2-2.5 mm²	20-12 AWG	22-14 AWG
	Flexible without ferrule	0.22-2.5 mm²		
	Flexible with insulated ferrule			
	Gauge	A2		
Rated current / Rated cross section		22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)		300 A		
Rated voltage		380 V	300 V	300 V
Impulse withstand voltage				
Protection		IP20	NEMA 1	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 Nm 3.5 - 5.3 lb.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 RoHS USR CSA Gost R



Accessories

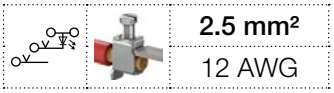
	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAZH1	1SNK900102R0000		20	24.00
2	**End sections**	3 mm	0.118 in	Grey ☐	FED3E	1SNA116771R2000		20	3.80
3	**Jumper bars**	2 poles	22 A		BJD6	1SNA178024R2500		10	1.00
		3 poles				1SNA178025R2600		10	2.00
		4 poles				1SNA178026R2700		10	2.00
		5 poles				1SNA178027R2000		10	3.00
		10 poles				1SNA178032R2500		10	6.00
		20 poles				1SNA178033R2600		5	12.00
4	**Cross spacing jumpers**	5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in			EL61	1SNA177812R1700		10	0.10
5	**Terminal block markers**	Blank card		White ☐	RC65	1SNA232000R0000		1	3.60

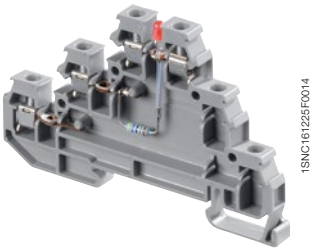
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

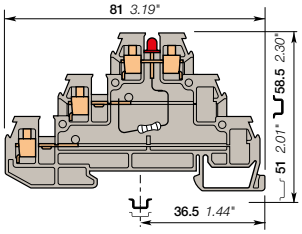
1SNC161148S0201 - Rev. A

D2.5/6.D screw clamp terminal blocks
Sensors / Actuators - 6 mm 0.236 in spacing





D2.5/6.D



6 mm 0.236 in spacing

Description

– Save space with triple deck terminal blocks: adapted for 3 wires sensor/actuator in just 6 mm 0.236 in spacing,
– Quickly identify the signal circuit status thanks to the indicator.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	For 3 wire sensor PNP with red 24 V DC LED and a jumper bar channel on middle and lower deck	Grey ☐	D2.5/6.DL	1SNA115537R0500		25	10.00

Main technical data

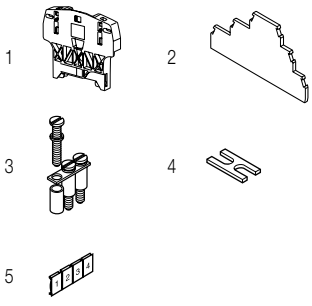
		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.2-2.5 mm²	20-12 AWG	22-14 AWG
	Flexible without ferrule	0.22-2.5 mm²		
	Flexible with insulated ferrule			
	Gauge	A2		
Rated current / Rated cross section		22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)		300 A		
Rated voltage		380 V	300 V	300 V
Impulse withstand voltage				
Protection		IP20	NEMA 1	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 Nm 3.5 - 5.3 lb.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 RoHS USR CSA Gost R



Accessories

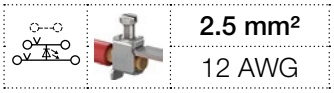
	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAZH1	1SNK900102R0000		20	24.00
2	**End sections**	3 mm	0.118 in	Grey ☐	FED3E	1SNA116771R2000		20	3.80
3	**Jumper bars**	2 poles	22 A		BJD6	1SNA178024R2500		10	1.00
		3 poles				1SNA178025R2600		10	2.00
		4 poles				1SNA178026R2700		10	2.00
		5 poles				1SNA178027R2000		10	3.00
		10 poles				1SNA178032R2500		10	6.00
		20 poles				1SNA178033R2600		5	12.00
4	**Cross spacing jumpers**	5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in			EL61	1SNA177812R1700		10	0.10
5	**Terminal block markers**	Blank card		White ☐	RC65	1SNA232000R0000		1	3.60

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

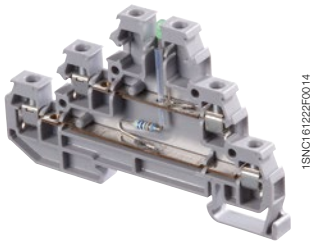
Technical data valid for copper conductors only.

1SNC161146S0201 - Rev. A

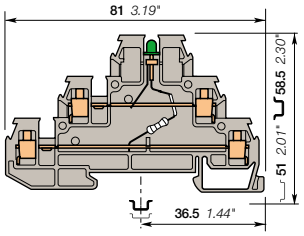
D2.5/6.DAL screw clamp terminal blocks
Sensors / Actuators - 6 mm 0.236 in spacing



2.5 mm²
12 AWG



D2.5/6.DAL



6 mm 0.236 in spacing

Description

- Save space with triple deck terminal blocks: 2 independent circuits connected in just 6 mm 0.236 in spacing,
- Adapted for 3 wires sensor/actuator,
- Quickly identify the signal circuit status thanks to the indicator.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	Power block with green LED 24 V DC for 3 wires sensor and a jumper bar	Grey ☐	D2.5/6.DAL2	1SNA115547R1700		25	12.00

Main technical data

		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.2-2.5 mm²	20-12 AWG	22-14 AWG
	Flexible without ferrule	0.22-2.5 mm²		
	Flexible with insulated ferrule			
	Gauge	A2		
Rated current / Rated cross section		22 A / 2.5 mm²	26 A / 12 AWG	20 A / 14 AWG
Rated short-time withstand current (1s)		300 A		
Rated voltage		380 V	300 V	300 V
Impulse withstand voltage				
Protection		IP20	NEMA 1	

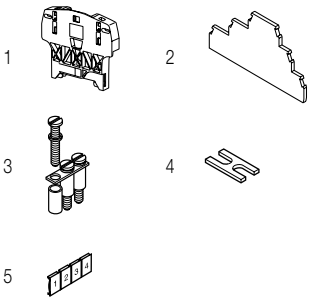
Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		6 mm 0.24 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in
Torque		0.4 - 0.6 Nm 3.5 - 5.3 lb.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 RoHS USR CSA Gost R

Accessories



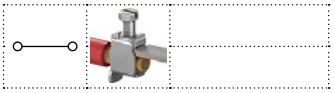
	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey ■	BAZH1	1SNK900102R0000		20	24.00
2	**End sections**	3 mm	0.118 in	Grey ☐	FED3E	1SNA116771R2000		20	3.80
3	**Jumper bars**	2 poles	22 A		BJD6	1SNA178024R2500		10	1.00
		3 poles				1SNA178025R2600		10	2.00
		4 poles				1SNA178026R2700		10	2.00
		5 poles				1SNA178027R2000		10	3.00
		10 poles				1SNA178032R2500		10	6.00
		20 poles				1SNA178033R2600		5	12.00
4	**Cross spacing jumpers**	5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in			EL61	1SNA177812R1700		10	0.10
5	**Terminal block markers**	Blank card		White ☐	RC65	1SNA232000R0000		1	3.60

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

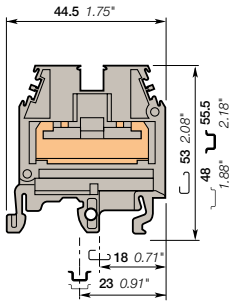
Technical data valid for copper conductors only.

1SNC161149S0201 - Rev. A

MTC6 thermocouple terminal blocks
Screw clamp - 6 mm 0.236 in spacing



MTC6



6 mm *0.236* in spacing

Description

- Universal terminal block adapted to all type of thermocouples,
- Allow thermocouple wire extention with no loss of signal integrity,
- Compatible with solid type thermocouple wires,
- Reduced inventory: only one part number needed for all configurations.

Ordering details

Description	Color	Type	Part Number	Pkg pce	Weight (1 pce) g
Feed-through	Grey ☐	MTC6	1SNA115206R2200	50	20
		MTC6.Ex	1SNA146227R2500	50	20

Main technical data

	NFC	DIN
Wire size	2 rigid thermocouple conductors 0.9 to 1.5	
Rated voltage	500 V	
Rated voltage Ex e (MTC6.Ex)	550 V IEC/EN 60079-7 - IM2/M1 II 2 GD/1 GD Ex e I/II	

Mounting instructions

Rail	G32,TH 35-7.5, TH 35-15
Wire stripping length	31 mm 1.22 in
Torque	0.4 - 0.6 N.m 3.5 - 5.3 lb.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

RoHS RoHS Gost R

Notes

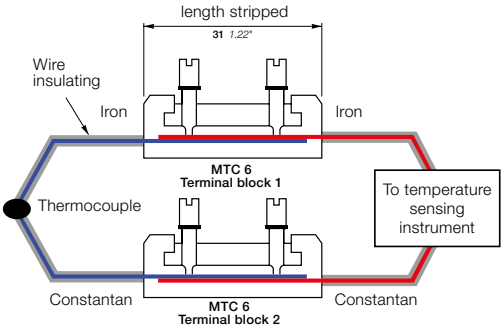


Figure 1: MTC6 with shield connector

Universal terminal block

Other thermocouple terminal blocks are available with hardware (screws, clamps and connecting bar) which match the thermocouple material being used. This requires inventory of many different terminal block types.

MTC6 terminal block adapts to all thermocouple material. This "neutral" method of connection limits the introduction of foreign materials to an insignificant level. The thermocouple wire insulation is stripped (31 mm maximum) and the bar wires are superimposed on each another. The thermocouple wires are in contact over their complete 31 mm length and tightened at two points by round tip screws (see figure 1). The screws, made of plated brass, have only a mechanical function, that of holding the wires together with a point contact. Thus, the pressure points are not relevant in the connection environment. One thermocouple lead connects through one terminal block (see figure 1). The MTC6 requires only 6 mm of space, allowing 50 terminals per foot of rail.

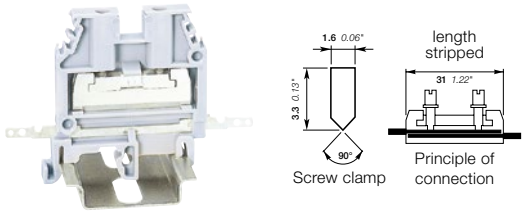


Figure 2

Thermocouple shield wire connector bar

The MTC6 can be field or factory equipped with a shield connector bar (see figure 2). This bar, made of treated brass, fits in the lower part of the terminal block. It ensures the continuity of the thermocouple wire shield through the terminal block or to the ground with no additional spacing.

Accessories

	Description	Color	Type	Part Number	Pkg pce	Weight (1 pce) g
1	End sections 2.8 mm 0.110 in	Grey ☐	FEM6	1SNA118368R1600	20	2.40
2	Shield connectors		CBM5	1SNA178745R1400	50	

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

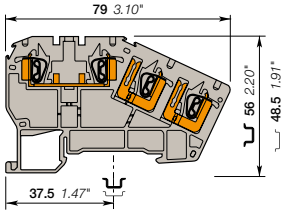
Technical data valid for copper conductors only.

1SNC161121S0201 - Rev. B

D2.5/5.C3.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

1.5 mm²	16 AWG

D2.5/5.C3.L



5 mm 0.197 in spacing

Description

– Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
– Easy to access thanks to the front wiring entry,
– Clamping contact pressure non dependent on the operator and automatic creeping compensation.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	3 wires	Grey	D2.5/5.C3.L	1SNA290350R2100		50	11.00

Main technical data

		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.14-1.5 mm²		24-16 AWG
	Flexible without ferrule	0.14-1.5 mm²		
	Flexible with non insulated ferrule			
	Flexible with insulated ferrule	0.5-1 mm²		
	Gauge	A1		
Rated current / Rated cross section		17.5 A / 1.5 mm²		10 A / 16 AWG
Rated short-time withstand current (1s)		180 A		
Rated voltage		300 V		300 V
Impulse withstand voltage		4000 V		
Protection		IP20	NEMA 1	

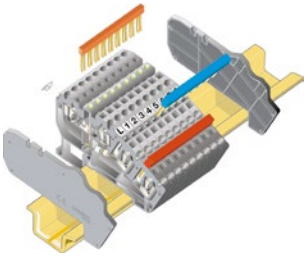
Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		9.5 mm 0.37 in
Tool		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

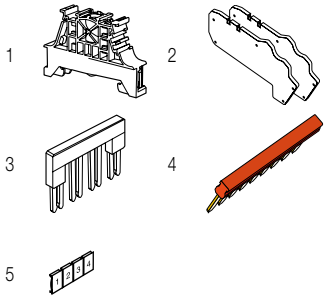
RoHS CSA Gost R

Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

Accessories



	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	5.2 mm	0.205 in	Dark grey	BAZ1	1SNK900002R0000		50	5.30
		10 mm	0.394 in		BAM4	1SNK900001R0000		50	14.00
2	**End section kits**	5 mm	0.197 in	Grey	FED5.C3.L	1SNA290358R2500		20	10.00
3	**Jumper bars**	2 poles	24 A	Orange	BJDL5-2	1SNA291102R2300		50	1.00
		3 poles			BJDL5-3	1SNA291103R2400		50	0.70
		4 poles			BJDL5-4	1SNA291104R2500		50	0.80
		5 poles			BJDL5-5	1SNA291105R2600		20	0.90
		10 poles			BJDL5-10	1SNA291110R2600		20	1.20
4	**Lateral jumper bars** 34 poles			Blue	PC5.34	1SNA290365R1400		10	18.00
				Red		1SNA290366R1500		10	18.00
				Green-yellow		1SNA290367R1600		10	18.00
5	**Terminal block markers** Blank card			White	RC55	1SNA230000R1200		1	2.90

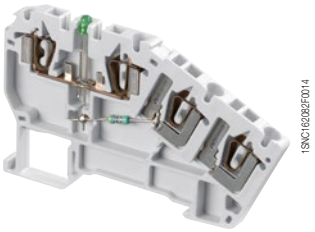
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

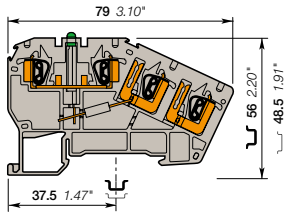
1SNC162027S0201 - Rev. A

D2.5/5.C3.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

1.5 mm²	
16 AWG	



D2.5/5.C3.L



5 mm 0.197 in spacing

Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Quickly identify the circuit status thanks to the indicator.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	3 wires with green bidi-rectional LED 24 V DC	Grey	D2.5/5.C3.L.L	1SNA290352R1700		50	11.00

Main technical data

		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.14-1.5 mm²		24-16 AWG
	Flexible without ferrule	0.14-1.5 mm²		
	Flexible with non insulated ferrule			
	Flexible with insulated ferrule	0.5-1 mm²		
	Gauge	A1		
Rated current / Rated cross section		17.5 A / 1.5 mm²		10 A / 16 AWG
Rated short-time withstand current (1s)		180 A		
Rated voltage		300 V		300 V
Impulse withstand voltage		4000 V		
Protection		IP20	NEMA 1	

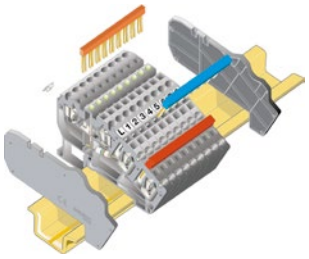
Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		9.5 mm 0.37 in
Tool		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

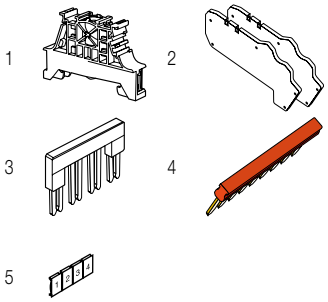
RoHS CSA Gost R

Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

Accessories



	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	5.2 mm	0.205 in	Dark grey	BAZ1	1SNK900002R0000		50	5.30
		10 mm	0.394 in		BAM4	1SNK900001R0000		50	14.00
2	**End section kits**	5 mm	0.197 in.	Grey	FED5.C3.L	1SNA290358R2500		20	10.00
3	**Jumper bars**	2 poles	24 A	Orange	BJDL5-2	1SNA291102R2300		50	1.00
		3 poles			BJDL5-3	1SNA291103R2400		50	0.70
		4 poles			BJDL5-4	1SNA291104R2500		50	0.80
		5 poles			BJDL5-5	1SNA291105R2600		20	0.90
		10 poles			BJDL5-10	1SNA291110R2600		20	1.20
4	**Lateral jumper bars** 34 poles			Blue	PC5.34	1SNA290365R1400		10	18.00
				Red		1SNA290366R1500		10	18.00
				Green-yellow		1SNA290367R1600		10	18.00
5	**Terminal block markers** Blank card			White	RC55	1SNA230000R1200		1	2.90

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

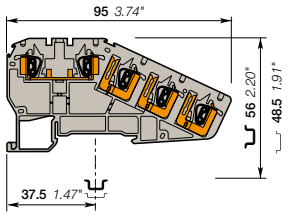
Technical data valid for copper conductors only.

1SNC162028S0201 - Rev. A

D2.5/5.C4.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

1.5 mm²
16 AWG

D2.5/5.C4.L



5 mm 0.197 in spacing

Description

– Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
– Easy to access thanks to the front wiring entry,
– Clamping contact pressure non dependent on the operator and automatic creeping compensation.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	4 wires sensor	Grey	D2.5/5.C4.L	1SNA290354R1100		50	13.00

Main technical data

		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.14-1.5 mm²		24-16 AWG
	Flexible without ferrule	0.14-1.5 mm²		
	Flexible with non insulated ferrule			
	Flexible with insulated ferrule	0.5-1 mm²		
	Gauge	A1		
Rated current / Rated cross section		17.5 A / 1.5 mm²		10 A / 16 AWG
Rated short-time withstand current (1s)		180 A		
Rated voltage		300 V		300 V
Impulse withstand voltage		4000 V		
Protection		IP20	NEMA 1	

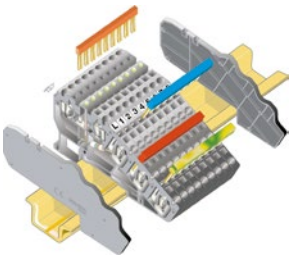
The connecting capacity data for one Rigid: Solid/Stranded, or one Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA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

RoHS CSA Gost R

Mounting instructions

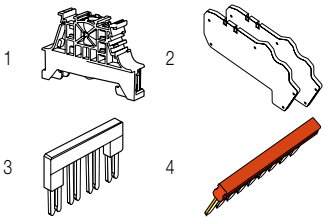
Rail		TH 35-7.5, TH 35-15
Wire stripping length		9.5 mm 0.37 in
Tool		Flat screwdriver Ø 3.5 mm Ø 0.138 in

Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

Accessories



	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	5.2 mm	0.205 in	Dark grey	BAZ1	1SNK900002R0000		50	5.30
		10 mm	0.394 in		BAM4	1SNK900001R0000		50	14.00
2	**End section kits**	5 mm	0.197 in	Grey	FED5.C4.L	1SNA290360R2300		20	10.00
3	**Jumper bars**	2 poles	24 A	Orange	BJDL5-2	1SNA291102R2300		50	1.00
		3 poles			BJDL5-3	1SNA291103R2400		50	0.70
		4 poles			BJDL5-4	1SNA291104R2500		50	0.80
		5 poles			BJDL5-5	1SNA291105R2600		20	0.90
		10 poles			BJDL5-10	1SNA291110R2600		20	1.20
4	**Lateral jumper bars** 34 poles			Blue	PC5.34	1SNA290365R1400		10	18.00
				Red		1SNA290366R1500		10	18.00
				Green-yellow		1SNA290367R1600		10	18.00
5	**Terminal block markers** Blank card			White	RC55	1SNA230000R1200		1	2.90

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

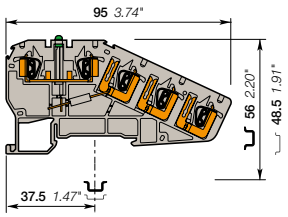
Technical data valid for copper conductors only.

1SNC162029S0201 - Rev. A

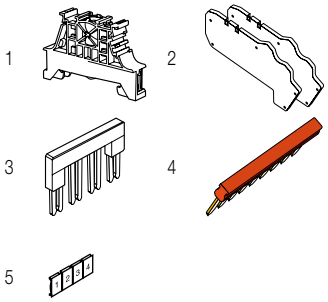
D2.5/5.C4.L spring terminal blocks
Sensors / Actuators - 5 mm 0.197 in spacing

1.5 mm²	
16 AWG	

D2.5/5.C4.L



5 mm 0.197 in spacing



Description

– Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
– Easy to access thanks to the front wiring entry,
– Clamping contact pressure non dependent on the operator and automatic creeping compensation,
– Quickly identify the circuit status thanks to the indicator.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	4 wires with bidirectional green LED 24 V DC	Grey	D2.5/5.C4.L.L	1SNA290356R1300		50	13.00

Main technical data

		IEC	UL	CSA
1 conductor per clamp	Rigid: Solid/Stranded	0.14-1.5 mm²		24-16 AWG
	Flexible without ferrule	0.14-1.5 mm²		
	Flexible with non insulated ferrule			
	Flexible with insulated ferrule	0.5-1 mm²		
	Gauge	A1		
Rated current / Rated cross section		17.5 A / 1.5 mm²		10 A / 16 AWG
Rated short-time withstand current (1s)		180 A		
Rated voltage		300 V		300 V
Impulse withstand voltage		4000 V		
Protection		IP20	NEMA 1	

Mounting instructions

Rail		TH 35-7.5, TH 35-15
Wire stripping length		9.5 mm 0.37 in
Tool		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

RoHS RoHS CSA Gost R

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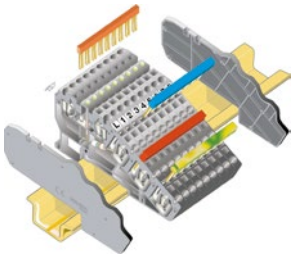


To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

Accessories

	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	5.2 mm	0.205 in	Dark grey	BAZ1	1SNK900002R0000		50	5.30
		10 mm	0.394 in		BAM4	1SNK900001R0000		50	14.00
2	**End section kits**	5 mm	0.197 in	Grey	FED5.C4.L	1SNA290360R2300		20	10.00
3	**Jumper bars**	2 poles	24 A	Orange	BJDL5-2	1SNA291102R2300		50	1.00
		3 poles			BJDL5-3	1SNA291103R2400		50	0.70
		4 poles			BJDL5-4	1SNA291104R2500		50	0.80
		5 poles			BJDL5-5	1SNA291105R2600		20	0.90
		10 poles			BJDL5-10	1SNA291110R2600		20	1.20
4	**Lateral jumper bars**	34 poles		Blue	PC5.34	1SNA290365R1400		10	18.00
				Red		1SNA290366R1500		10	18.00
				Green-yellow		1SNA290367R1600		10	18.00
5	**Terminal block markers**	Blank card		White	RC55	1SNA230000R1200		1	2.90

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

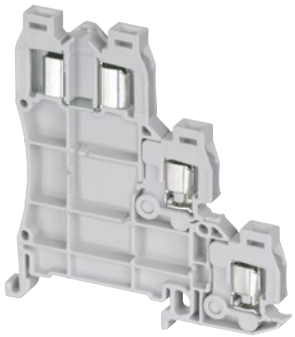
Technical data valid for copper conductors only.

1SNC162030S0201 - Rev. B

D1/5.C3.ADO IDC terminal blocks

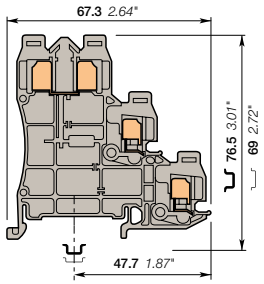
Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing

1 mm²	
20 AWG	



1SNC163136F0014

D1/5.C3.ADO



5 mm 0.197 in spacing

Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	For 3 wire sensor	Grey	D1/5.C3.ADO	1SNA399689R1300		50	9.00

Main technical data

		IEC	UL	CSA
ADO	Rigid: Solid/Stranded	0.2-1 mm²		24-20 AWG
	Flexible without ferrule	0.22-1 mm²		
Screw clamp	Rigid: Solid/Stranded			
	Flexible without ferrule			
	Flexible with insulated ferrule			
	Gauge			
Rated current / Rated cross section		13.5 A / 1 mm²		12 A / 20 AWG
Rated short-time withstand current (1s)		120 A		
Rated voltage		250 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	
Tool	
Torque	

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

RoHS cCSAus Gost R

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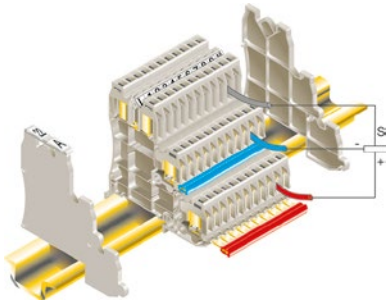
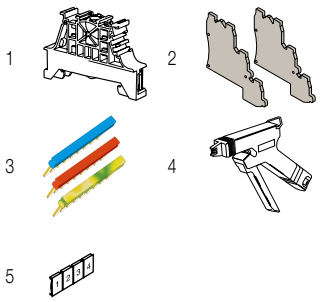


Accessories



	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAM4	1SNK900001R0000		50	14.00
		5.2 mm	0.205 in		BAZ1	1SNK900002R0000		50	5.30
2	**End section kits**			Grey	FED5.C3.ADO	1SNA399678R2700		20	10.00
3	**Lateral jumper bars**	10 poles		Red	PC52.10	1SNA399683R0500		10	5.00
				Blue		1SNA399684R0600		10	5.00
				Green-yellow		1SNA399685R0700		10	5.00
		66 poles		Red	PC52.66	1SNA399707R1500		5	30.00
				Blue		1SNA399708R2600		5	30.00
				Green-yellow		1SNA399709R2700		5	30.00
4	**Tools**	Semi automatic tool			OUPAD	1SNA178944R0400		1	205.00
		Hand tool			OUMAD	1SNA179466R0600		1	29.00
5	**Terminal block markers**	Blank card		White	RC55	1SNA230000R1200		1	2.90

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

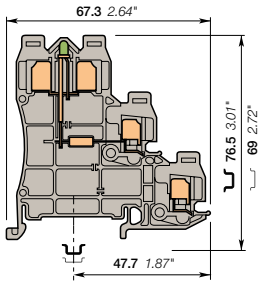
1SNC163044S0201 - Rev. B

D1/5.C3.ADO IDC terminal blocks
Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing

1 mm²	
20 AWG	

1SNC163125F0014

D1/5.C3.ADO



5 mm 0.197 in spacing

Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	For 3 wire sensor with green bidirectional LED 24 VDC	Grey	D1/5.C3.ADO.L	1SNA399690R1000		50	10.00

Main technical data

		IEC	UL	CSA
ADO	Rigid: Solid/Stranded	0.2-1 mm²		24-20 AWG
	Flexible without ferrule	0.22-1 mm²		
Screw clamp	Rigid: Solid/Stranded			
	Flexible without ferrule			
	Flexible with insulated ferrule			
	Gauge			
Rated current / Rated cross section		13.5 A / 1 mm²		12 A / 20 AWG
Rated short-time withstand current (1s)		120 A		
Rated voltage		250 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	
Tool	
Torque	

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

RoHS cCSAus Gost R

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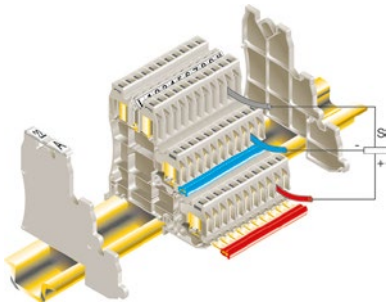
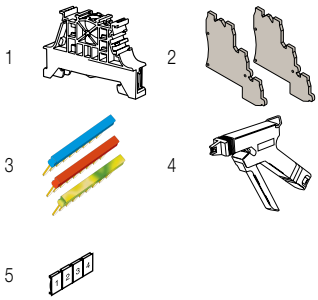


Accessories



	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAM4	1SNK900001R0000		50	14.00
		5.2 mm	0.205 in		BAZ1	1SNK900002R0000		50	5.30
2	**End section kits**			Grey	FED5.C3.ADO	1SNA399678R2700		20	10.00
3	**Lateral jumper bars**	10 poles		Red	PC52.10	1SNA399683R0500		10	5.00
				Blue		1SNA399684R0600		10	5.00
				Green-yellow		1SNA399685R0700		10	5.00
		66 poles		Red	PC52.66	1SNA399707R1500		5	30.00
				Blue		1SNA399708R2600		5	30.00
				Green-yellow		1SNA399709R2700		5	30.00
4	**Tools**	Semi automatic tool			OUPAD	1SNA178944R0400		1	205.00
		Hand tool			OUMAD	1SNA179466R0600		1	29.00
5	**Terminal block markers**	Blank card		White	RC55	1SNA230000R1200		1	2.90

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

1SNC163045S0201 - Rev. B

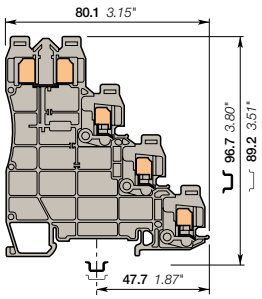
D1/5.C4.ADO IDC terminal blocks

Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing

1 mm²	
20 AWG	

1SNC163137F0014

D1/5.C4.ADO



5 mm 0.197 in spacing

Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	For 4 wire sensor	Grey	D1/5.C4.ADO	1SNA399692R0600		50	

Main technical data

		IEC	UL	CSA
ADO	Rigid: Solid/Stranded	0.2-1 mm²		24-20 AWG
	Flexible without ferrule	0.22-1 mm²		
Screw clamp	Rigid: Solid/Stranded			
	Flexible without ferrule			
	Flexible with insulated ferrule			
	Gauge			
Rated current / Rated cross section		13.5 A / 1 mm²		12 A / 20 AWG
Rated short-time withstand current (1s)		120 A		
Rated voltage		250 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	
Tool	
Torque	

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

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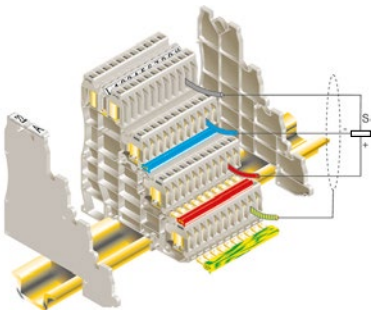
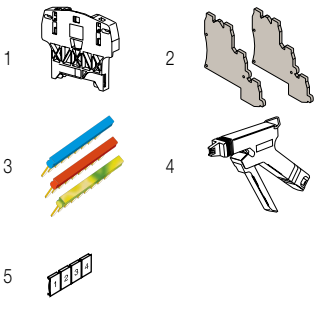


Accessories



	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAZH1	1SNK900102R0000		20	24.00
2	**End section kits**			Grey	FED5.C4.ADO	1SNA399679R2000		10	10.00
3	**Lateral jumper bars**	10 poles		Red	PC52.10	1SNA399683R0500		10	5.00
				Blue		1SNA399684R0600		10	5.00
				Green-yellow		1SNA399685R0700		10	5.00
		66 poles		Red	PC52.66	1SNA399707R1500		5	30.00
				Blue		1SNA399708R2600		5	30.00
				Green-yellow		1SNA399709R2700		5	30.00
4	**Tools**	Semi automatic tool			OUPAD	1SNA178944R0400		1	205.00
		Hand tool			OUMAD	1SNA179466R0600		1	29.00
5	**Terminal block markers**	Blank card		White	RC55	1SNA230000R1200		1	2.90

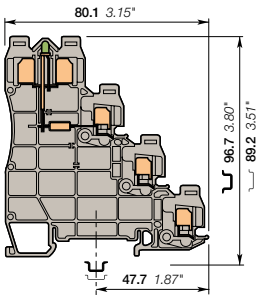
Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

1SNC163046S0201 - Rev. B

D1/5.C4.ADO IDC terminal blocks
Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing

D1/5.C4.ADO



5 mm 0.197 in spacing

Description

– Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
– With the TE Connectivity ADO System®, experience the fastest and most reliable connection on the market,
– Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
– Up to 2 wires on the upper deck.

Ordering details

Description		Color	Type	Part Number		Pkg pce	Weight (1 pce) g
Sensor	For 4 wire sensor with green bidirectional LED 24 VDC	Grey	D1/5.C4.ADO.L	1SNA399693R0700		50	

Main technical data

		IEC	UL	CSA
ADO	Rigid: Solid/Stranded	0.2-1 mm²		
	Flexible without ferrule	0.22-1 mm²		
Screw clamp	Rigid: Solid/Stranded			
	Flexible without ferrule			
	Flexible with insulated ferrule			
	Gauge			
Rated current / Rated cross section		13.5 A / 1 mm²		
Rated short-time withstand current (1s)		120 A		
Rated voltage		250 V		
Impulse withstand voltage		8000 V		
Protection		IP20	NEMA 1	

Mounting instructions

Rail	TH 35-7.5, TH 35-15
Wire stripping length	
Tool	
Torque	

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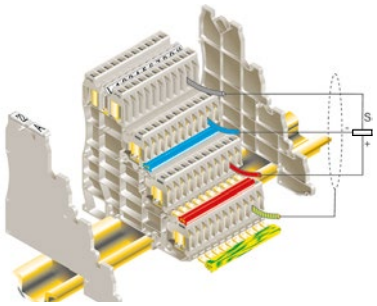
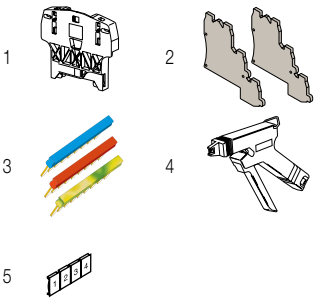


Accessories



	Description			Color	Type	Part Number		Pkg pce	Weight (1 pce) g
1	**End stops**	10 mm	0.394 in	Dark grey	BAZH1	1SNK900102R0000		20	24.00
2	**End section kits**			Grey	FED5.C4.ADO	1SNA399679R2000		10	10.00
3	**Lateral jumper bars**	10 poles		Red	PC52.10	1SNA399683R0500		10	5.00
				Blue		1SNA399684R0600		10	5.00
				Green-yellow		1SNA399685R0700		10	5.00
		66 poles		Red	PC52.66	1SNA399707R1500		5	30.00
				Blue		1SNA399708R2600		5	30.00
				Green-yellow		1SNA399709R2700		5	30.00
4	**Tools**	Semi automatic tool			OUPAD	1SNA178944R0400		1	205.00
		Hand tool			OUMAD	1SNA179466R0600		1	29.00
5	**Terminal block markers**	Blank card		White	RC55	1SNA230000R1200		1	2.90

Complete list of accessories is indicated in the terminal block datasheet.
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

Technical data valid for copper conductors only.

1SNC163047S0201 - Rev. B

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