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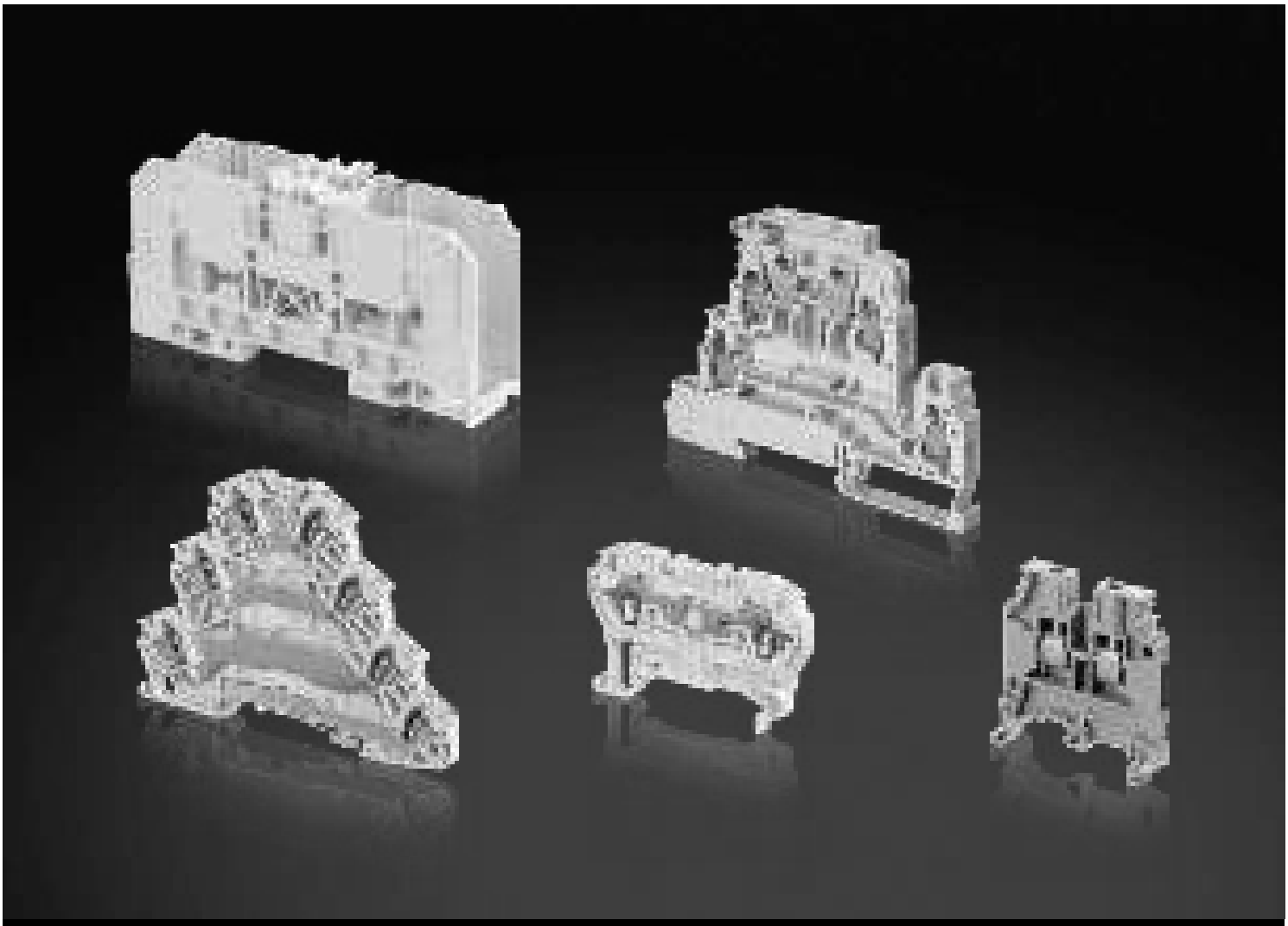
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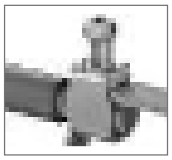


Main catalog

SNA series
Terminal blocks

Power and productivity
for a better world™

SNA series, terminal blocks
Screw clamp technology

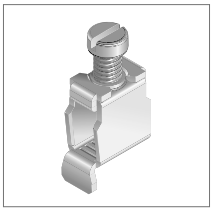


1



Rely on our expertise

ABB screw clamp technology benefits from 50 years of experience.
Billions of our screw clamps have been manufactured and are used worldwide every day in all kinds of applications.



Qualified for worldwide markets and applications
Eco-designed according to international environmental standards in sustainable development.

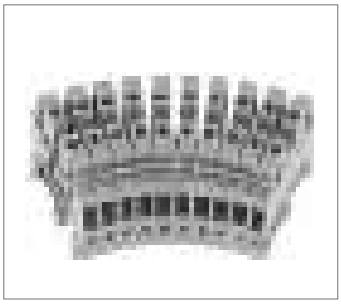
CE RoHS cULus CSP ISO 9001 ISO 14001

The proven reliability to support your daily connection challenges

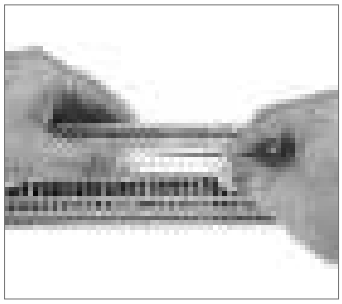
Manufactured since decades
Robust design & high quality standards (UL94-V0, RoHS).
Many functions available for a very **wide scope** of industrial applications.

Facilitate your rail assembly process
10 pre-assembled blocks for **quick plug-in mounting**.
Asymmetrical shape: easy to handle, **prevents risk of short-circuit**.
Conductor insertion is very easy: the conductor entry is **angled to guide the conductor** into the clamp.
A flap under the clamp avoids conductor to be pushed underneath the clamp.
Universal: **mounting on TH 35 and G rails**.

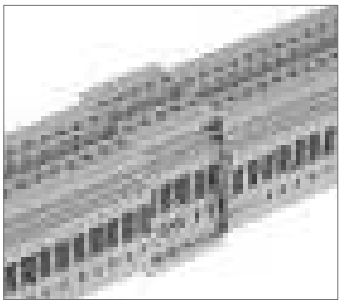
Quick and efficient marking solutions
Markers come by strips of 10.
Central and lateral marking allow a clear visualisation from any angle.



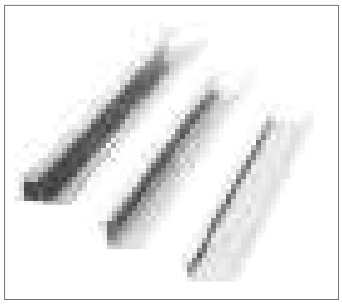
10 pre-assembled blocks



Quick labelling thanks to strips



100% safe-visible backwards mounting



Multi rail mounting

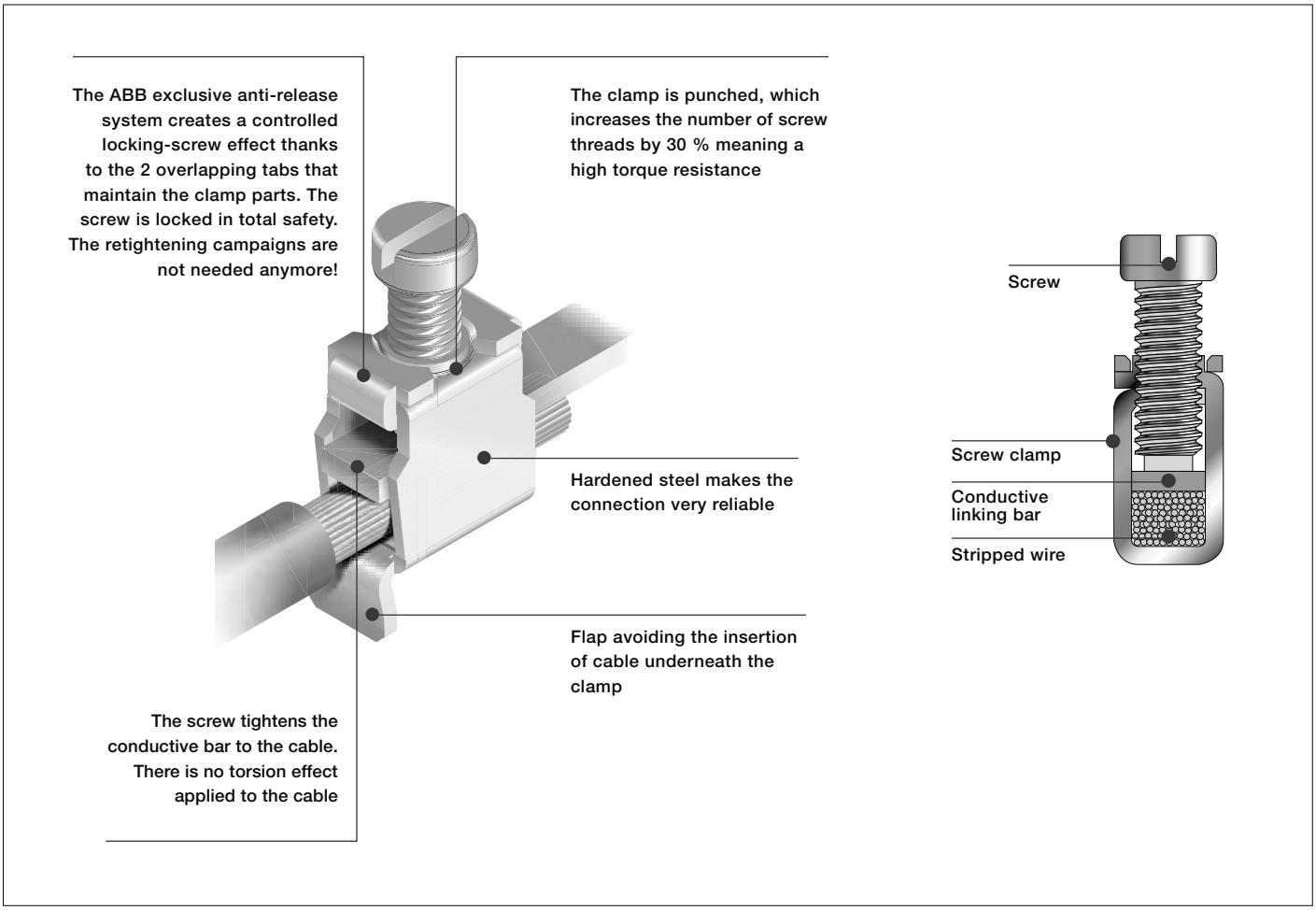
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ABB screw clamp technology
The heavy duty connection

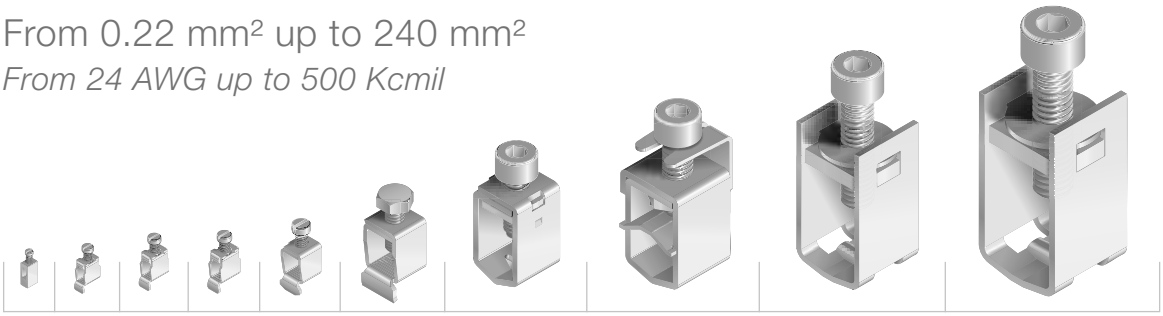
Unique design, flies over time thanks to its reliability and safety
The ABB screw clamp technology is designed to avoid accidental releases due to vibrations, shocks or even abusive cable draw. Our exclusive design minimizes the needs of retightening campaigns.

High density capacity
The screw clamp technology can fit up to two conductors per clamp which offers extended possibilities in electrical cabinets.

Features

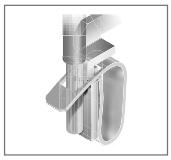


From 0.22 mm² up to 240 mm²
From 24 AWG up to 500 Kcmil



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SNA series, terminal blocks
Spring clamp technology



1



ABB has been manufacturing spring clamp terminal blocks since more than 15 years and owns several patents. Our clamp designs benefit from our strong expertise in finite element simulations as well as in-situ testing capabilities.



Qualified for worldwide markets and applications
Eco-designed according to international environmental standards in sustainable development.

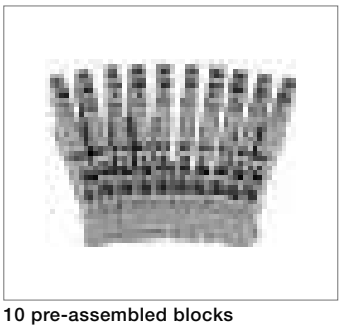
RoHS ISO 9001 ISO 14001

The ergonomic front entry connection

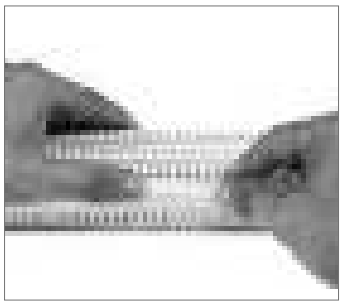
Functionality through ergonomic design
Alignment of terminal blocks, markers and jumpers.
Double jumpering system on the whole range.
High quality standards (UL94-V0, RoHS..).
Many functions available for a very **wide scope** of industrial applications.

Facilitate your rail assembly process
10 pre-assembled blocks for **quick plug-in mounting**.
Wire insertion is very easy:
– Front entry connection facilitates wire insertion
– Hands free! **Screwdriver is locked in the clamp** during connection process.

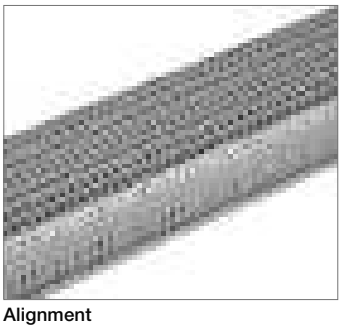
Quick and efficient marking solutions
Markers come by strips of 10.
Central and lateral marking allow a clear visualisation from any angle.



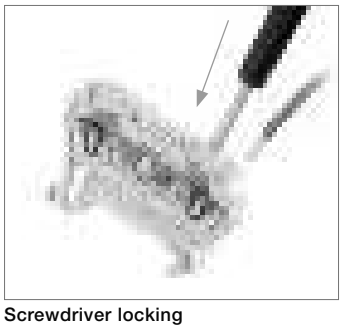
10 pre-assembled blocks



Quick labelling thanks to strips



Alignment



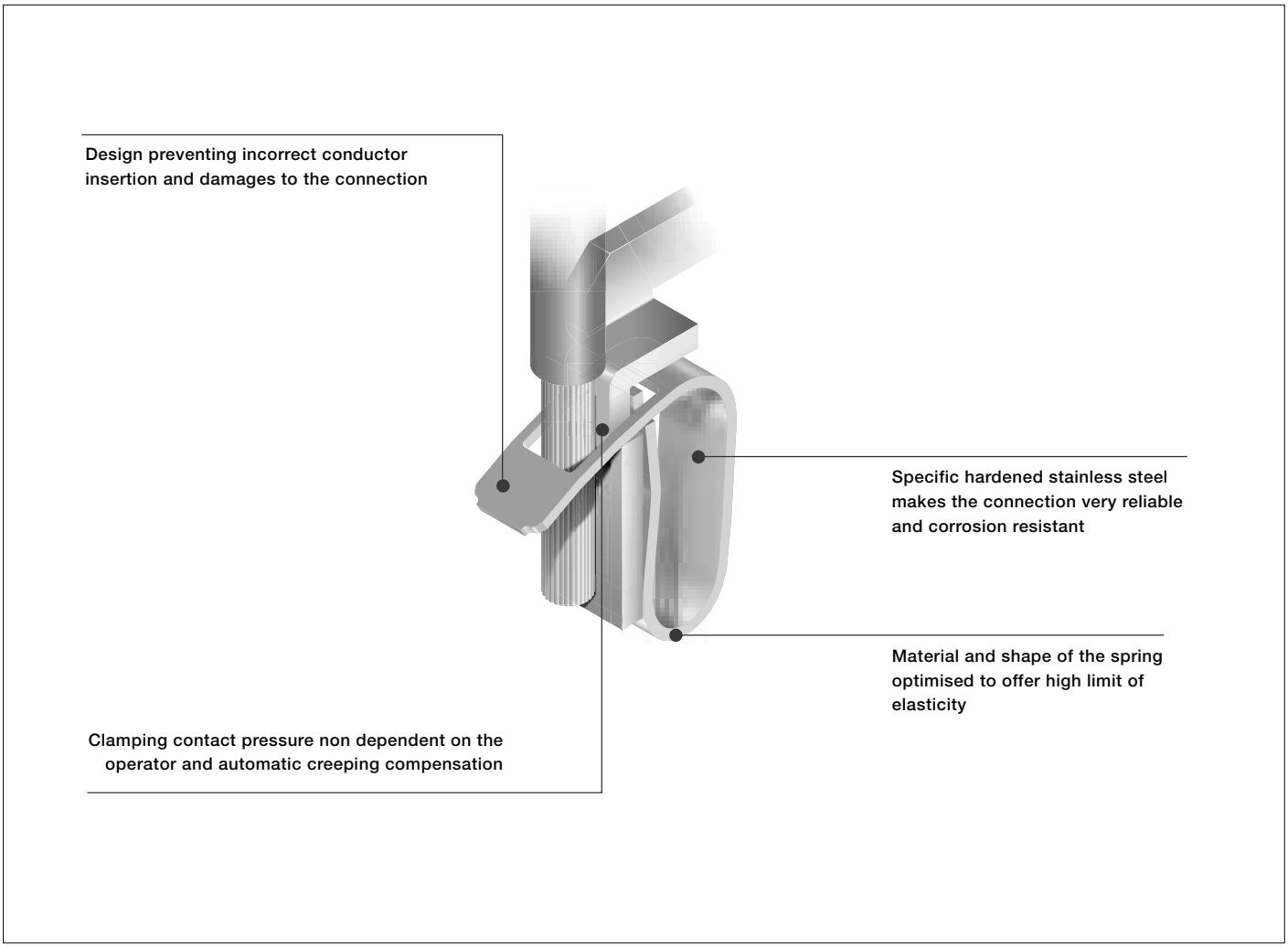
Screwdriver locking

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ABB spring clamp technology

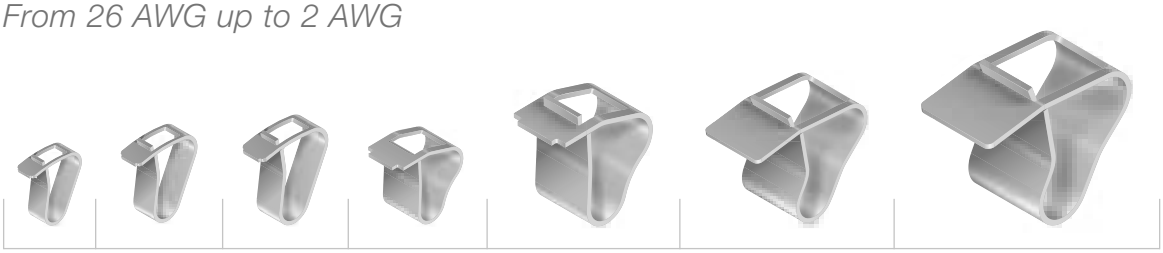
Experience the flexible connection
The ABB spring clamp technology combines all the features appreciated from electrical users by combining flexibility of use with front entry, a good vibration withstand, clamping pressure non dependent on the operator and automatic creeping compensation suppressing the needs of retightening campaigns.

Features



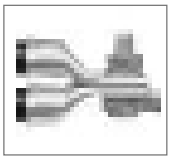
From 0.12 mm² up to 35 mm²

From 26 AWG up to 2 AWG



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SNA series, terminal blocks
Stud technology



1

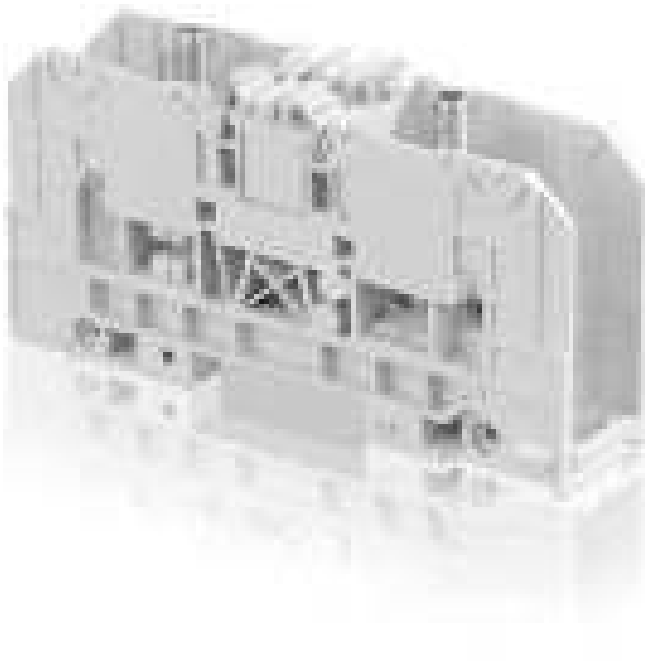
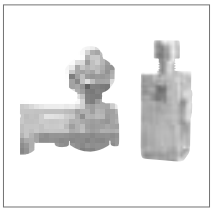


ABB proposes a large scope of power terminal blocks dedicated to the connection and distribution of power into electrical installations. Power terminals blocks features standard stud-stud connections as well as hybrid terminals (stud-screw clamp).



Qualified for worldwide markets and applications
Eco-designed according to international environmental standards in sustainable development.

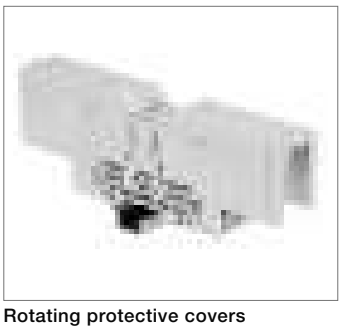
RoHS ISO 9001 ISO 14001

The power distribution terminal blocks

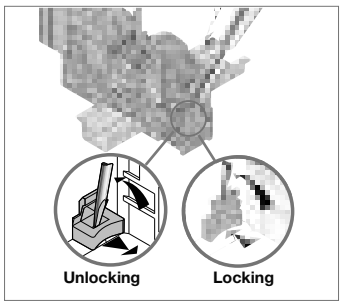
Functionality through ergonomic design
Removable protective covers are designed to increase the **safety of cabinets**, ease the wiring process thanks to its rotative feature.
A **central movable protection** gives access to the jumpering location, and ensures the IP20 isolation.
High quality standards (UL94-V0, RoHS...).

Facilitate your rail assembly process
Various mounting options:
– **Plate mounting** thanks to 2 holes
– **Rail mounting** with bistable foot.
Terminal blocks can be **tight together** thanks to the usage of a threaded stud and nuts.
Pins allow terminal blocks to be **snapped together** for better stability during the tightening process.

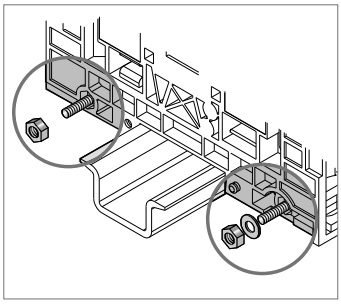
Efficient marking
Many marking options: on the center or on the covers with standard markers or adhesive labels.



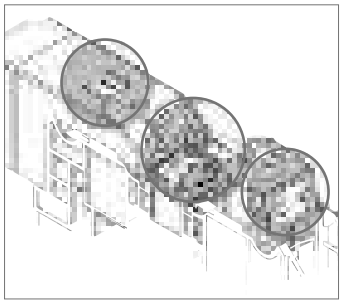
Rotating protective covers



Bistable mounting foot



Assembly with stud & snap on pins



Marking options

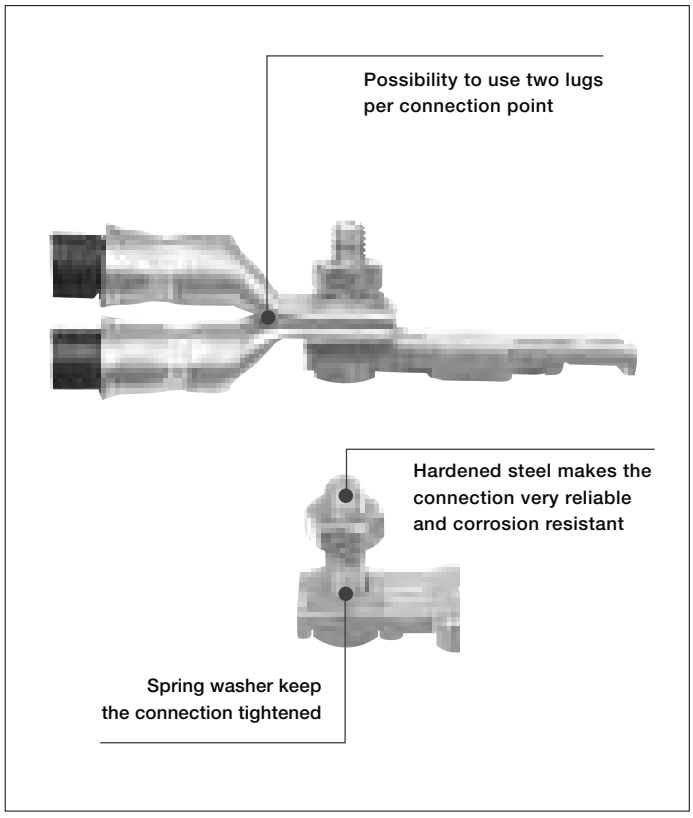
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ABB stud & screw clamp technology
The preferred connection for power

Reliability first
The ABB stud and screw clamp are designed to ensure the reliability of connection, and are particularly adapted to high currents requirements. The ABB connection technology includes vibration resistant washers combined with highly resistant steel parts to obtain heavy duty usage.

Features

Stud



Screw clamp



Up to 300 mm² / *1000 Kcmil*



M6	M8	M10	M12	M16
35 mm²	**70 mm²**	**120 mm²**	**185 mm²**	**300 mm²**
1 AWG	*000 AWG*	*300 Kcmil*	*500 Kcmil*	*1000 Kcmil*

1SNC165002S0201

SNA series, terminal blocks
Screw clamp technology



Overview 13

Feed-through

2.5 mm² / *12 AWG*	**MA2.5/5**		14
4 mm² / *10 AWG*	**M4/6**		16
	M4/6.3A & M4/6.4A	3 & 4 connections	18
6 mm² / *8 AWG*	**M6/8**		20
10 mm² / *6 AWG*	**M10/10**		22
16 mm² / *6 AWG*	**M16/12**		24
35 mm² / *0 AWG*	**M35/16**		25
70 mm² / *00 AWG*	**D70/22**		26
95 mm² / *0000 AWG*	**D95/26**		27
150 mm²	**D150/31.D10**		28
240 mm²	**D240/36.D10**		29

Ground

2.5 mm² / *12 AWG*	**MA2.5/5.P & D2.5/5.P**		30
4 mm² / *12 AWG*	**M4/6.P & D4/6.P**		32
	M4/6.3A.P & M4/6.4A.P	3 & 4 connections	34
6 mm² / *8 AWG*	**M6/8.P & D6/8.P**		36
10 mm² / *6 AWG*	**M10/10.P**		38
16 mm² / *4 AWG*	**M16/12.P**		39
35 mm² / *0 AWG*	**M35/16.P**		40
70 mm² / *00 AWG*	**D70/22.P**		41
95 mm² / *0000 AWG*	**D95/26.P**		42

Double deck

2.5 mm² / *12 AWG*	**MA2.5/5.D2**		44
4 mm² / *12 AWG*	**M4/6.D2**		46
	M4/6.D1	One circuit	48
6 mm² / *8 AWG*	**M6/8.D2**		50
2.5 mm² / *12 AWG*	**D2.5/5.DP**	Double deck + ground	52

Triple deck

2.5 mm² / *12 AWG*	**D2.5/6.DA**		53
4 mm² / *12 AWG*	**D4/6.T**		54
	D4/6.P.T1	7 connections for grounding	56

Disconnect

2.5 mm² / *12 AWG*	**MA2.5/5.SNB**		58
4 mm² / *10 AWG*	**M4/6.SNB**		60
6 mm² / *8 AWG*	**M6/8.SNB**		62
4 mm² / *12 AWG*	**M4/6.D2.SNBT**	Double deck, disconnect	63
4 mm² / *10 AWG*	**M4/6.SB & M6/8.SB**	Disconnect with plug	64
4 mm²	**M4/6.D2.SB**	Double deck, disconnect with plug	66
6 mm² / *8 AWG*	**M6/8.STP**	Disconnect with push-turn knob	67
	M6/8.STP3	Feed-through - profile aligned with M6/8.STP	69
	M6/8.ST	Test disconnect with screwdriver sliding link	70
	M6/8.ST7	Feed-through - profile aligned with M6/8.ST	75

For 5x20 and 5x25 mm fuses *(0.197x0.787 in and 0.197x0.984 in)*

4 mm² / *12 AWG*	**M4/8.SF**	Fuse holders	76
	M4/8.SN	Disconnect - profile aligned with M4/8.SF	80
	M4/8	Feed-through - profile aligned with M4/8.SF	81
	M4/8.D2.SF	Double deck, fuse holder	82
	D4/8.D2.P.SF	Double deck, fuse holder, ground	84

For 6.3x25 and 6.3x32 mm fuses *(¼ x 1 in and ¼ x 1¼ in)*

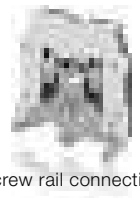
10 mm² / *10 AWG*	**ML10/13.SF**		86
	ML10/13.SN	Disconnect - profile aligned with ML10/13.SF	88

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SNA series, terminal blocks
Screw clamp technology



Feed-through

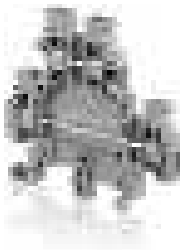


Screw rail connection



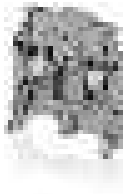
Screwless rail connection

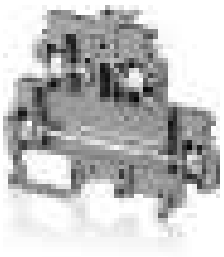
Ground



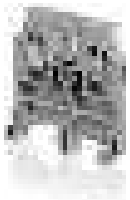
Double deck

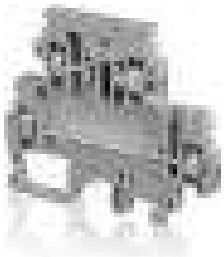
Section									
IEC	*UL/CSA*								
2.5 mm²	*12 AWG*	**MA2.5/5**	5 mm *0.197 in*	**MA2.5/5.P**	5 mm *0.197 in*	**D2.5/5.P**	5 mm *0.197 in*	**MA2.5/5.D2**	5 mm *0.197 in*
4 mm²	*10-12 AWG*	**M4/6**	6 mm *0.236 in*	**M4/6.P**	6 mm *0.236 in*	**D4/6.P**	6 mm *0.236 in*	**M4/6.D2**	6 mm *0.236 in*
6 mm²	*8 AWG*	**M6/8**	8 mm *0.315 in*	**M6/8.P**	8 mm *0.315 in*	**D6/8.P**	8 mm *0.315 in*	**M6/8.D**	8 mm *0.315 in*
10 mm²	*6-10 AWG*	**M10/10**	10 mm *0.394 in*	**M10/10.P**	10 mm *0.394 in*				
16 mm²	*4-6 AWG*	**M16/12**	12 mm *0.472 in*	**M16/12.P**	12 mm *0.472 in*				
35 mm²	*0-2 AWG*	**M35/16**	16 mm *0.630 in*	**M35/16.P**	16 mm *0.630 in*				
70 mm²	*00 AWG*	**D70/22**	22 mm *0.866 in*	**D70/22.P**	22 mm *0.866 in*				
95 mm²	*0000 AWG*	**D95/26**	26 mm *1.024 in*	**D95/26.P**	26 mm *1.024 in*				
150 mm²		**D150/31.D10**	31 mm *1.220 in*						
240 mm²		**D240/36.D10**	36 mm *1.417 in*						





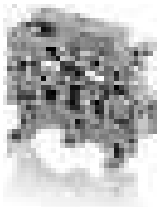
Disconnect with blade

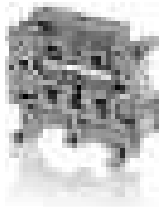


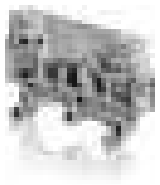


Disconnect with plug

Section									
IEC	*UL/CSA*								
2.5 mm²	*12 AWG*	**MA2.5/5.SNB..**	5 mm *0.197 in*						
4 mm²	*10-12 AWG*	**M4/6.SNB..**	6 mm *0.236 in*	**M4/6.D2.SNBT**	6 mm *0.236 in*	**M4/6.SB**	6 mm *0.236 in*	**M4/6.D2.SB**	6 mm *0.236 in*
6 mm²	*8 AWG*	**M6/8.SNB**	8 mm *0.315 in*			**M6/8.SB**	8 mm *0.315 in*		







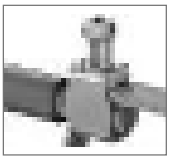
For 5 x 20 mm and 5 x 25 mm fuses *(0.197" x 0.787" and 0.197" x 0.984")*

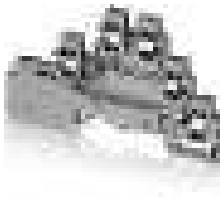
Section							
IEC	*UL/CSA*						
4 mm²	*10-12 AWG*	**M4/8.SF**	8 mm *0.315 in*	**M4/8.SN**	8 mm *0.315 in*	**M4/8**	8 mm *0.315 in*
10 mm²	*10 AWG*						

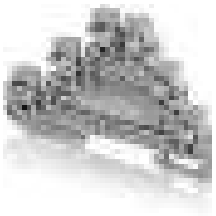
Terminal - Hole for testing or jumpering - Testing point - Fuse holder - Blown-fuse indicator - Ground connection, linked to the DIN rail

Interconnection between decks - Disconnect function - Quarter turn disconnect function - Sliding link disconnect function

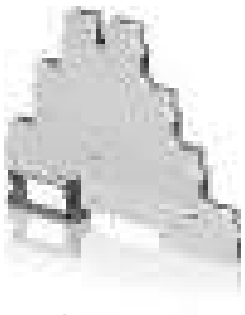
1SNC161115S0201









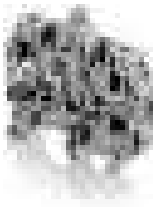


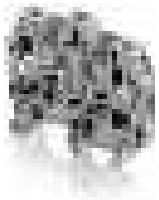
Double deck + ground

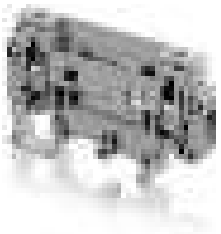
Triple deck

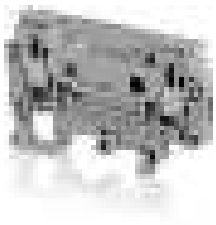
Triple deck + ground

D2.5/6.DP	5 mm *0.197 in*	**D2.5/6.DA**	5 mm *0.197 in*				
		D4/6.T	6 mm *0.236 in*	**D4/6.T3.P**	6 mm *0.236 in*	**D4/6.P.T1**	6 mm *0.236 in*





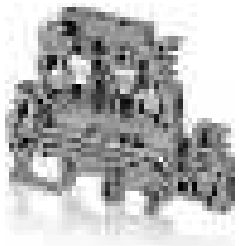


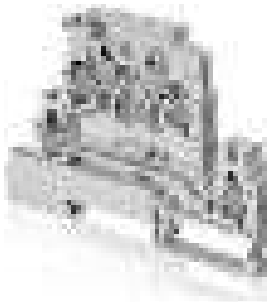


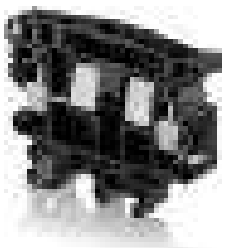
Disconnect with push-turn knob

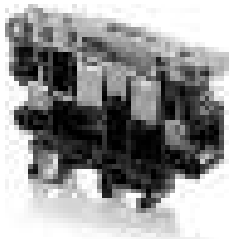
Test disconnect

M6/8.STP	8 mm *0.315 in*	**M6/8.STP3**	8 mm *0.315 in*	**M6/8.ST**	8 mm *0.315 in*	**M6/8.ST7**	8 mm *0.315 in*









Double deck - For 5 x 20 mm and 5 x 25 mm fuses

(0.197" x 0.787" and 0.197" x 0.984")

For 6.3 x 25 and 6.3 x 32 mm fuses *(¼" x 1" and ¼" x 1¼")*

M4/8.D2.SF	8 mm *0.315 in*	**D4/8.D2.P.SF**	8 mm *0.315 in*				
				ML10/13.SF	13 mm *0.512 in*	**ML10/13.SN**	13 mm *0.512 in*

All the technical data for UL/CSA standard and dimensions in inches are in italic.

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