

# Terminal Blocks **entrelec**<sup>®</sup> Screw clamp technology

**Fast  
Facts**

*Entrelec Terminal blocks by ABB have over 50 years experience in screw clamp connections. A standard system produced in billions of models, this technology can be found on a very wide range of products.*

## Screw clamp connection technology

The benefits of screw clamp technology: Safety!

The connection's reliability and long life are ensured by:

- The excellent contact press provided by the steel clamp
- High resistance to corrosion offered by dichromate zinc surface treatment
- Any conductor creep compensated by the resilience of the clamp
- High resistance to thread destruction, as the threads are approximately 30% longer than on traditional clamps

## ABB clamp

Clamps are made from hardened steel and are anti-corrosion treated. They combine strength and resistance to external attack (high resistance to saline mists) and comply with IEC 68.2.34 standard.

## Simplicity

Screw connections are used on all types of products and are recognized by all users. They can also be used for connection flexible conductors of up to 240mm<sup>2</sup> without ferrules.

## Security:

### Non Symmetrical blocks

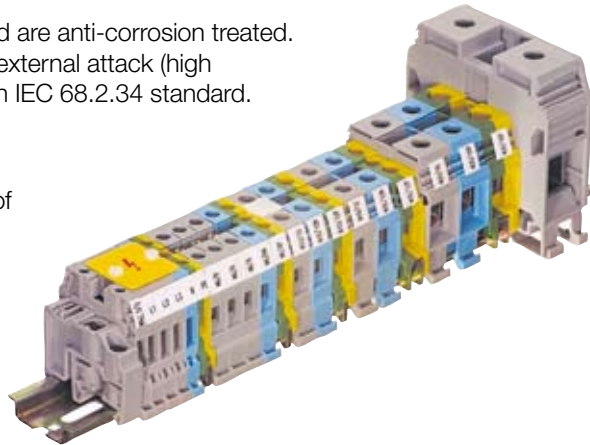
Prevent risk of short-circuit between two blocks due to mounting errors. Further more the locking pin reduces dramatically the risk of reversal as all blocks are attached in the right way.

## Screw clamp terminal blocks are: Flexible

- Large wire range (up to 300mm<sup>2</sup>)
- Connection of solid or stranded wires (with or without ferrules)
- Two identical wires (maximum) per clamp
- Flat bottom design to accept small wires (<0.2mm<sup>2</sup>)

## Screw clamp range

- Most popular: 5mm to 16mm spacing
- Same profile: Esthetic/functional
- Only one end plate for the four most popular sizes
- Multi profile rail – TS35/F6, TS35/CF6, TS32, etc.



**Screw Clamp**  
terminal blocks

## The Benefits

- Anti-corrosion treated
- Unique anti-release system
- Same profile – four popular sizes
- Locking pin

**ABB**

### Locking pin

- Simple and rapid to use for locking up to ten blocks in position at a time ①
- Improved storage ②
- Does not prevent individual blocks from being removed ③
- Eliminates any risk of mistake during assembly



### Multi-function channels

With the central multifunction channel, test plugs and jumpers bars and labeling can be put in place.

### Insulating material

- Insulating material is in a polyamide and contains no asbestos, cadmium, phosphor or halogen elements
- Manufactured to the highest standards (thermal resistance from -40 to +110°C) and with its self-extinguishing capacities it complies with European directives (incandescent wire resistance in compliance with IEC standard 06095.2.11)
- Available in a wide variety of colors

### Labeling

Blocks can be identified using pre-printed or custom made markers.

### Alignment

Blocks are positioned side-by-side for an aesthetic and functional final set-up that only requires one type of flange. The blocks are slightly asymmetrical to avoid any mistake when mounting on DIN rail.

### RECOMMENDED STOCKING PACKAGES SCREW CONNECTION

PART NUMBER	DESCRIPTION	DISTR MIN PURCHASE
011511607	M4/6 TERMINAL	500
011511811	M6/8 TERMINAL	500
011512017	M10/10 TERMINAL	250
011836816	END SECTION FEM6	100
016511316	M4/6P TERMINAL	50
016511417	M4/8P TERMINAL	50
010306221	END SECTION FEM6 YELLOW	20
011512407	M35/16 TERMINAL	20
011823327	END SECTION FEM16	20
011512914	M16/12 TERMINAL	20
011861801	END SECTION FEM12	20
011527122	M4/6.D2 TERMINAL	50
011849923	END SECTION FEM6D	20
011565725	M4/8SF	50
011566121	M4/8SFL	50
011566323	M4/8SFD	50
011695115	FEM6S END SECTION	20
019909513	ML10/13SF	20
019916800	ML10/13SFL 110/230V	20
019963524	FEM 13U END SECTION	10
011643813	DL10/17.5SF	10
035620021	BRU160A DIST BLOCK	1
035620411	BRU125A DIST BLOCK	1
035620926	BRT115A 3 POLE DIST BLOCK	1
035621021	BRT175A 3 POLE DIST BLOCK	1

