

ISL2201

## - Screw connectors for low and medium voltage

Elpress screw connectors can be used for low- and medium voltage and they are for through connectors and terminal such as:

- stranded and solid Al- and Cu conductor
- round cross sections 10 mm<sup>2</sup> up to 630 mm<sup>2</sup>
- sector cross sections 16 mm<sup>2</sup> up to 240 mm<sup>2</sup>
- low and medium voltage to 36 kV

The full and correct screw-torque is safeguarded by a new type precision manufactured shear-off bolts, turnable to fit needs of different lengths.

ISL 2201, a tool for holding and tightening Screw Connectors.

### Technical specifications

- Screw material: Brass
- Application voltage up to 36 kV
- Test requirements: IEC 61238-1
- middle wall in the through connectors
- The terminal lugs are of AlCu bi-metal type for best properties.

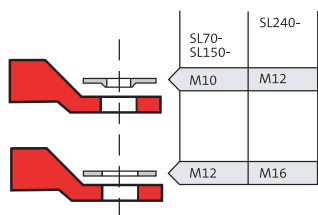
Supplied in welded plastic bags with all materials and instructions.

The different types and their application ranges are presented on the back page.

Contact your Elpress dealer for further information and supply, or Elpress Customer Support at tel. +46 612 71 71 99.



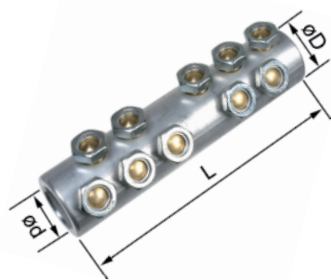
## Selection of Screw connectors and terminals



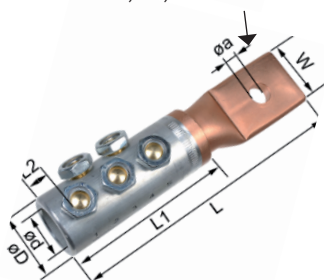
With the help of the enclosed washers for Elpress screw terminals, they can be used for two bolt dimensions.

Stranded and solid conductors, area, mm <sup>2</sup>	Type	Through connectors Cat. no.	Terminals M10, M12	Terminals M12, M16
10	round	SC50R50S	SL70R70S-10-12	
16	round sector	SC50R50S SC50R50S	SL70R70S-10-12	
25	round sector	SC50R50S SC50R50S	SL70R70S-10-12 SL70R70S-10-12	
35	round sector	SC50R50S SC50R50S	SL70R70S-10-12 SL70R70S-10-12	
50	round round sector sector	SC50R50S SC95R95S SC50R50S SC95R95S	SL70R70S-10-12 SL70R70S-10-12	
70	round sector sector	SC95R95S SC95R95S SC150	SL70R70S-10-12 SL70R70S-10-12	
95	round round sector sector sector	SC150R95S SC95R95S SC150R95S SC95R95S SC150	SL150R95S-10-12 SL150R95S-10-12	
120	round sector sector sector	SC150R95S SC240R185S SC150 SC240	SL150R95S-10-12	SL240R185S-12-16
150	round sector sector sector	SC150R95S SC240R185S SC150 SC240	SL150R95S-10-12	SL240R185S-12-16
185	round sector sector	SC240R185S SC240R185S SC240		SL240R185S-12-16 SL240R185S-12-16
240	round sector sector	SC240R185S SC400R240S SC240		SL240R185S-12-16 SL400R240S*
300	round sector	SC400R240S <sup>1)</sup> SC400R240S <sup>1)</sup>		SL400R240S* <sup>1)</sup> SL400R240S* <sup>1)</sup>
400	round	SC400R240S		SL400R240S*
500	round	SC630R		SL630R*
630	round	SC630R		SL630R*

\* Bolt dimensions according to demand. <sup>1)</sup> for un-compressed cable. For compressed cable, contact Elpress.



Hole for M10, 12, 16 or 20

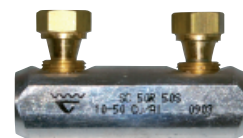


Through connectors type	L mm	ø D mm	ø d mm
SC50R50S	62	20	10,7
SC95R95S	114	27	16
SC150	134	33,5	20
SC240	144	38	25
SC150R95S	114	27	16
SC240R185S	134	33,5	20
SC400R240S	175	41,5	25,7
SC630R	210	49	33

Fits conductors according to table above.

### NEWS!

On connector SC50R50S the screws are pre-mounted in the connector and covers all areas from 10-50 mm<sup>2</sup>. SC50R50S is also suitable as screen connector for 10-35 mm<sup>2</sup>.



Through connector SC50R50S.

Screw terminal, type	L mm	W mm	L1 mm	L2 mm	ø D mm	ø d mm	a mm
SL70R70S-10-12	103	25	59	10	21,5	11	11-13
SL150R95S-10-12	118,5	30	69	10	27	16	11-13
SL240R185S-12-16	135	30	80	12	33,5	20	13-17
SL400R240S-16	185	37	105	12	41,5	25,7	17
SL400R240S-20	185	37	105	12	41,5	25,7	21
SL400R240S	185	37	105	12	41,5	25,7	*
SL630R	243	55	129	12	49	33	*

Fits conductors according to table above. \* Bolt dimensions according to demand.