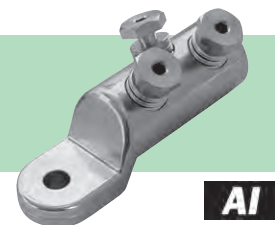


Screw terminals



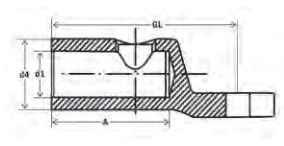
## AL screw terminals medium voltage 10-30 KV

- Material: AL 99,5%
- for tension relief connections of Al medium-voltage cables
- Tin-plated surface



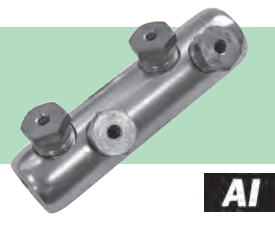
**AL**

Art. no.	CSS	M	d1	d4	A	TL	⊙	kg/100	PU
293140	16 - 95	12	12,5	24,0	32,0	60	1	6,400	1
293142	50 - 150	12	15,5	30,0	35,0	79	1	13,900	1
293144		16	15,5	30,0	35,0	79	1	14,500	1
293146	95 - 240	12	20,0	33,0	56,0	95	2	23,700	1
293148		16	20,0	33,0	56,0	95	2	24,400	1
293150	120 - 300	12	25,0	38,0	67,0	100	2	33,300	1
293152		16	25,0	38,0	67,0	100	2	32,700	1
293154	185 - 400	12	26,0	42,0	82,0	115	3	48,000	1
293156		16	26,0	42,0	82,0	115	3	48,200	1



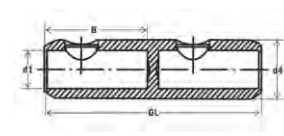
## AL screw connectors medium voltage

- Material: AL 99,5%
- Screws: Tin-galvanised brass
- Tin-plated surface



**AL**

Art. no.	CSS	d1	d4	TL	⊙	kg/100	PU
293130	16 - 95	12,5	24,0	70	2	9,800	1
293132	50 - 150	15,5	30,0	85	2	17,700	1
293134	95 - 240	20,0	33,0	120	4	33,500	1
293136	120 - 300	25,0	38,0	142	4	49,000	1
293138	185 - 400	26,0	42,0	170	6	78,900	1



		CSS					
		AL			CU		
	Terminals	rm	re	sm	rm	sm	
		16 - 95	16.50/95	25 - 70	16 - 95	25 - 70	1
		50 - 150	50 - 150	50 - 120	35 - 120	50 - 120	1
		95 - 240	95 - 240	95 - 185	95 - 240	95 - 185	2
		120 - 300	120 - 300	120 - 240	120 - 300	120 - 240	2
		155 - 400	185 - 240/400	185 - 300	185 - 300	185 - 300	3
Connectors		16 - 95	16.50/95	25 - 70	16 - 95	25 - 70	2
		50 - 150	50 - 150	50 - 120	35 - 120	50 - 120	2
		95 - 240	95 - 240	95 - 185	95 - 240	95 - 185	4
		120 - 300	120 - 300	120 - 240	120 - 300	120 - 240	4
		155 - 400	185 - 240/400	185 - 300	185 - 300	185 - 300	6

## Screw lugs and connectors

Screw connectors are a reliable and economic way of connecting identical or different conductor cross-sections. They can be used up to 36kV. All lugs and connectors are fitted with torque-limited shear-off screws.

The actual cross-section of the cable does not need to be known, because each screw lug or connector covers many cable sizes. This results in simplified logistics, a small stock of lugs will cover a wide range of applications.

Also, the tin-plated surface means that they can be used on both copper and aluminium cables.

### The principle of multiple tear-off screws

The screws of the Haupa screw lugs and connectors have a hexagon head and socket, which clamps the conductor cross-section with optimal clamping torque and therefore reduces assembly time.

As the screw is tightened it will shear off when correct torque is reached and a good joint is made.

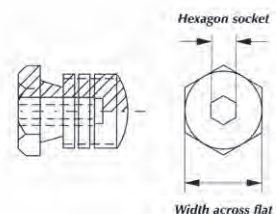
### Advantages of the tear-off screw

- simple assembly
- the screw head shears off when clamping torque is right
- no torque key required
- screw can be detached using the hexagon socket

1. The screw is fitted with several tear-off spots, with different shear-off torque, a hexagon head and socket.

2. The tear-off torques are defined in such way that generally the biggest conductor cross-section is clamped with the biggest clamping torque and the smaller conductor cross-section with the smaller clamping torque. This happens by allocating hexagon head and socket.

3. Assembly is much simpler than with the telescopic screw, because each screw needs to be pulled and torn off only once.



Video