
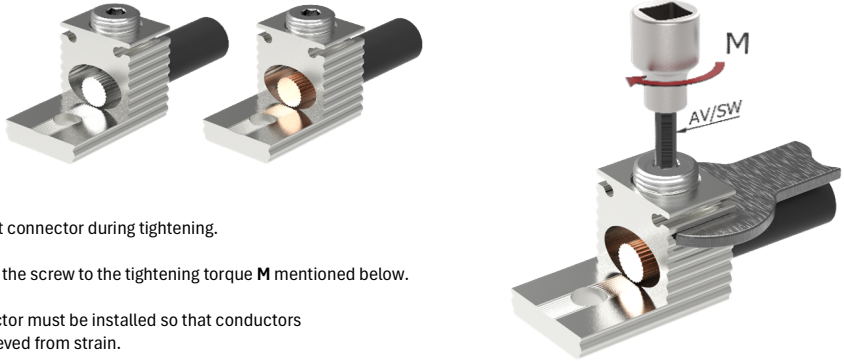

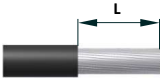




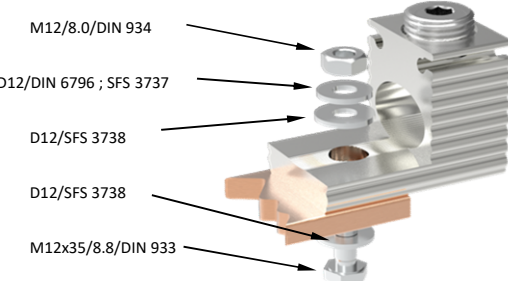


Product data							
Product code	Product name	I _n Al	I _n Cu	U _n	US specific		
					I _{max} Al	I _{max} Cu	U _{max}
VC02-0015	OT Universal connector 95-300mm ²	420 A	490 A	690 V	-	-	-

Installation	
General	Conductor installation
<p>OT-Connectors are suitable for Aluminium- and Copper conductors.</p> <ul style="list-style-type: none"> - Segmental conductors have to be rounded before mounting. Pre-shape the sector conductor with transfer jaw pliers before removing the insulation or with rounding jaws after removing the insulation. - For stripping cable, see stripping length L (table below) - Remove any layer of oxide by brushing. 	 <p>Support connector during tightening.</p> <p>Tighten the screw to the tightening torque M mentioned below.</p> <p>Connector must be installed so that conductors are relieved from strain.</p>

Connection			
	Screw M22 SW 8	Tightening torque M 95-185 mm ² 33 Nm 240-300 mm ² 60 Nm	Stripping length L 28±1 mm 
	Conductor range 1xAl/Cu 95-300 mm²		Supported IEC 60228 -conductors Class 5 & 6 (fine stranded) Using ferrule is recommended Class 1 & 2 (solid and stranded)
Copper conductors Max. 3 X CU / Conductor contact space  <p>≤ 300 mm² total</p>	Aluminium conductors 1 X AL / Conductor contact space  <p>Anti-corrosion paste: e.g. Penetrox</p>		Attention!  <p>When connecting to an aluminium rail, the surface of the rail must be brushed with a wire brush and immediately treated with connecting grease. In damp areas, the use of protective grease is recommended (eg. Penetrox). On the rail side, in addition to the pressure relief plate, a conical press plate (e.g. DIN 6796) must be used.</p>

Mounting to busbar	
<ul style="list-style-type: none"> - Be sure that there are no burrs around the hole. - Length of the screw depends on the busbar thickness. - Use standard screws, nuts and washers. (Plated with Zn) - Recommended torque for M12 is 50-75 Nm. 	 <p>M12/8.0/DIN 934 D12/DIN 6796 ; SFS 3737 D12/SFS 3738 D12/SFS 3738 M12x35/8.8/DIN 933</p>

Cross section and max. number of Cu- conductors / contact space (Al- conductors in parenthesis)															
1,5 mm ²	2,5 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²	The specified max. amount of conductors refers only to industrially installed terminals.							
-	-	-	-	-	-	-	-	70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²	400 mm ²
-	-	-	-	-	-	-	-	-	3(1)	2(1)	2(1)	1(1)	1(1)	1(1)	-