

**Technische Kennwerte**

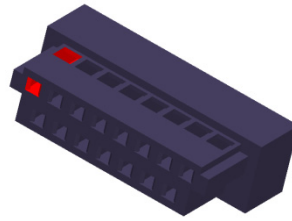
**Materialien und Oberflächen**

**Technische Information**

**Bestellbezeichnungen**

**Bestelladressen**

**Steckverbinder der Baureihe JAE FI**  
*informativ*



**Technische Kennwerte**

*informativ*

Rastermaß	1,25 mm																																								
Anzahl der Kontakte	15 / 9																																								
Dielektrische Spannungsfestigkeit	500 V~ Effektivspannung (eine Minute)																																								
Kontakt / Verwendbare Litzenquerschnitte	FI-C3-A1-15000: 0,032 mm <sup>2</sup> bis 0,092 mm <sup>2</sup> (AWG 32 bis AWG 28)																																								
	<table border="1"> <thead> <tr> <th>AWG</th> <th>Aufbau</th> <th>Querschnitt (mm<sup>2</sup>)</th> <th>Durchmesser Leiter ca. Ø (mm)</th> </tr> </thead> <tbody> <tr> <td>28</td> <td>1x0,320</td> <td>0,080</td> <td>0,32</td> </tr> <tr> <td>28</td> <td>7x0,127</td> <td>0,089</td> <td>0,38</td> </tr> <tr> <td>28</td> <td>19x0,0787</td> <td>0,092</td> <td>0,39</td> </tr> <tr> <td>30</td> <td>1x0,254</td> <td>0,051</td> <td>0,25</td> </tr> <tr> <td>30</td> <td>7x0,102</td> <td>0,057</td> <td>0,31</td> </tr> <tr> <td>30</td> <td>19x0,0635</td> <td>0,060</td> <td>0,32</td> </tr> <tr> <td>32</td> <td>1x0,203</td> <td>0,032</td> <td>0,20</td> </tr> <tr> <td>32</td> <td>7x0,0787</td> <td>0,034</td> <td>0,24</td> </tr> <tr> <td>32</td> <td>19x0,0508</td> <td>0,039</td> <td>0,25</td> </tr> </tbody> </table>	AWG	Aufbau	Querschnitt (mm <sup>2</sup> )	Durchmesser Leiter ca. Ø (mm)	28	1x0,320	0,080	0,32	28	7x0,127	0,089	0,38	28	19x0,0787	0,092	0,39	30	1x0,254	0,051	0,25	30	7x0,102	0,057	0,31	30	19x0,0635	0,060	0,32	32	1x0,203	0,032	0,20	32	7x0,0787	0,034	0,24	32	19x0,0508	0,039	0,25
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	Isolierdurchmesser	FI-C3-A1-15000: 0,5 mm bis 0,9 mm																																							
Betriebstemperatur	-40 °C bis +125 °C																																								
Montagehilfe	ID 1075573-01 Die Abziehkraft darf nur am Stecker des Ausgangskabels und nicht an den Adern wirken.*																																								
Vibrationsfestigkeit	Bis zu 40 g (abhängig von der Applikation)																																								
RoHS	Anforderungen erfüllt																																								

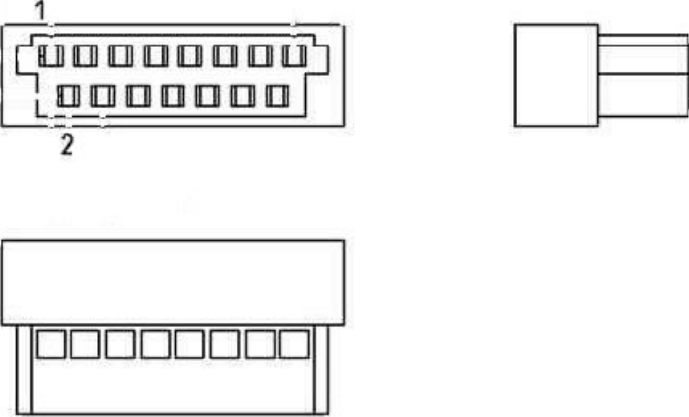
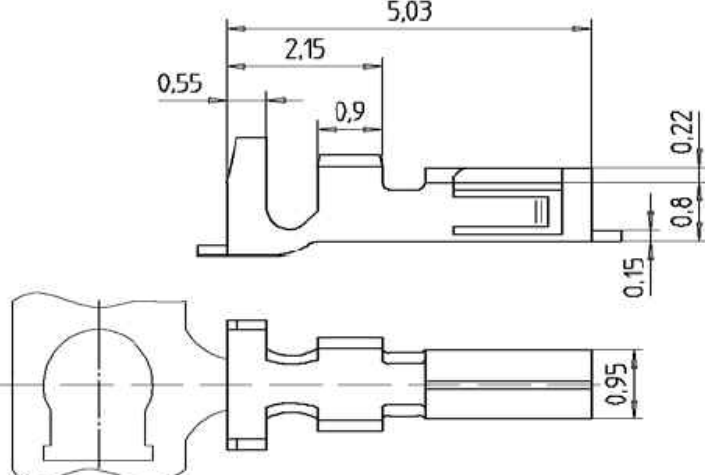
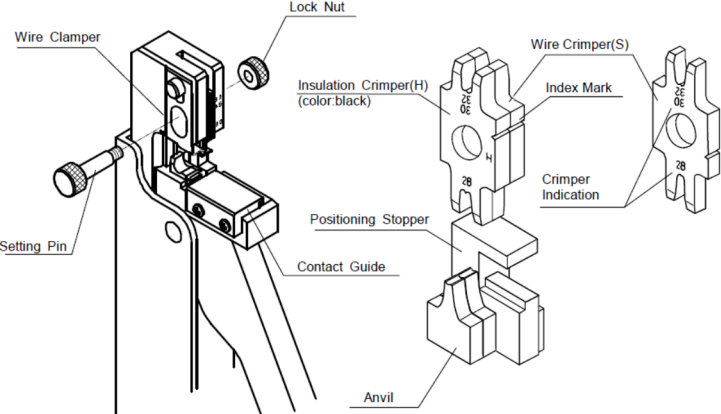
**Materialien und Oberflächen**

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Buchsengehäuse	UL 94 V-0, schwarz
Buchsenkontakt	Oberfläche: Gold über Nickel

\* Zur Vermeidung von Kabelbeschädigungen die Montagehilfe zum Anstecken und Abziehen des Ausgangskabels verwenden.

JAE FI-Series Connector	Product Notes	Change No: C137821-10
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	Revision <b>- A</b>	Sheet <b>- 01</b>
	Document No	Page 1/ 6

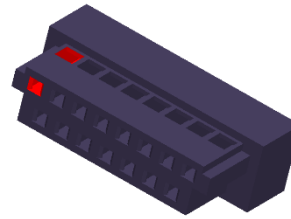
Bezeichnung	Zeichnung	JAE Bestellnr.
<b>Buchsengehäuse</b>		<b>FI-WxxS</b> xx= Anzahl der Kontakte
<b>Buchsenkontakt AWG 32 – 28</b> (0,032 mm <sup>2</sup> - 0,092 mm <sup>2</sup> )		<b>FI-C3-A1-15000</b>
<b>Manuelles Crimpergerät AWG 32 - 28</b>		<b>CT150-4C-FI</b>
<b>Halbautomatisches Crimpergerät AWG 32 - 28</b>		<b>Crimppresse: CT215-4B</b>  <b>Applikator: 350-FI-2B</b>

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**Die Daten in dieser Kundeninformation sind rein informativ und dienen ausschließlich zu Beratungszwecken. Die aktuellen Technischen Daten sind vom Hersteller JAE direkt einzuholen.**

**Weitere Informationen:**  
*Prospekt "Messgeräte für elektrische Antriebe"*

JAE FI-Series Connector	Product Notes	Change No: C137821-10										
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	Serie	Version	Revision	Sheet	Page							
<b>D576762</b>	<b>- 07</b>	<b>- A</b>	<b>-01</b>	3/ 6								
	Document No											

**General Specifications****Materials and Finishes****Technical Information****Ordering Designations****Ordering Addresses****JAE FI Series Connector**  
*only for information purposes***General Specifications***only for information purposes*

Contact spacing	1.25 mm			
Number of contacts	15 / 9			
Dielectric withstanding voltage	500 VAC r.m.s (one minute)			
Contact / usable wire cross-sections	FI-C3-A1-15000:		0.032 mm <sup>2</sup> to 0.092 mm <sup>2</sup> (AWG 32 to AWG 28)	
	AWG	Stranding	Cross section conductor in mm <sup>2</sup>	Approx. diameter in mm
	28	1x0,320	0,080	0,32
	28	7x0,127	0,089	0,38
	28	19x0,0787	0,092	0,39
	30	1x0,254	0,051	0,25
	30	7x0,102	0,057	0,31
	30	19x0,0635	0,060	0,32
	32	1x0,203	0,032	0,20
	32	7x0,0787	0,034	0,24
32	19x0,0508	0,039	0,25	
Insulation diameter	FI-C3-A1-15000:		0.5 mm to 0.9 mm	
Operating temperature	-40 °C to +125 °C			
Mounting aid	ID 1075573-01 Apply pulling force only to the connector of the cable assembly and not to the wires.*			
Vibration durability	Up to 40 g (dependent on the application)			
RoHS	Fulfilled			

**Materials and Finishes***only for information purposes*

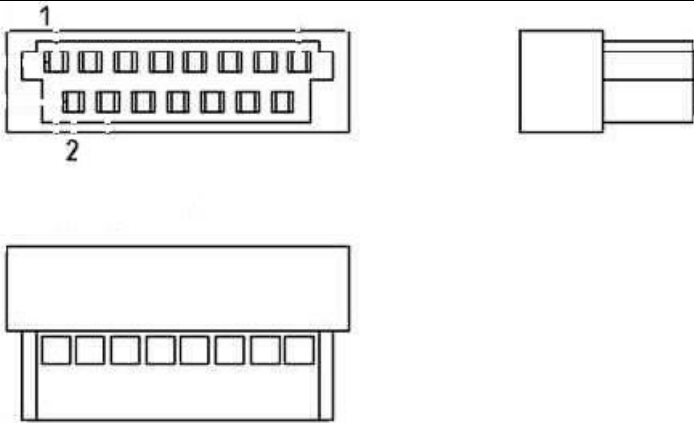
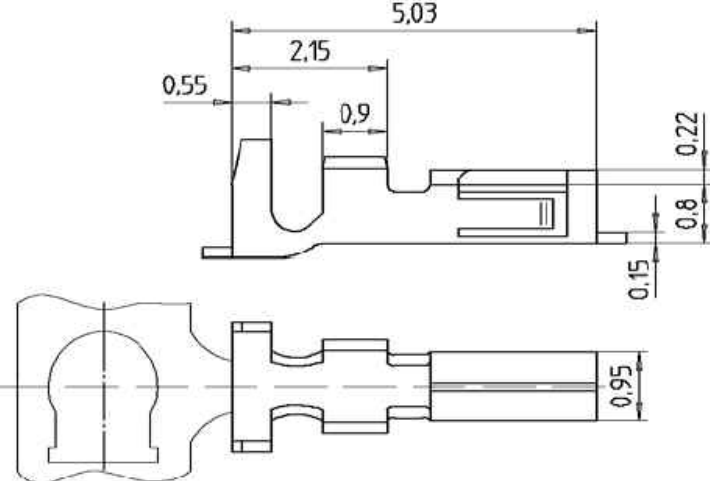
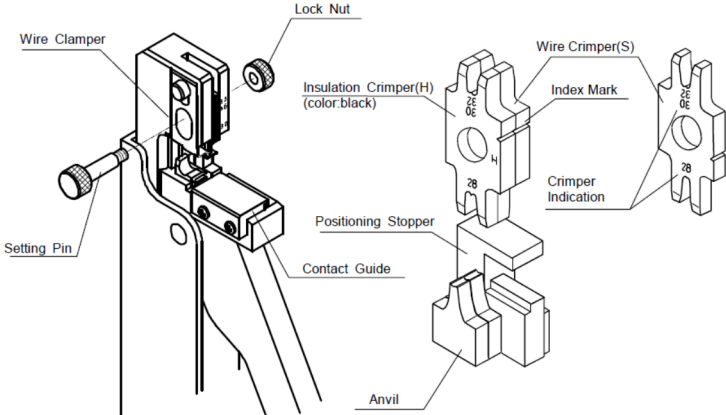
Socket housing	UL 94 V-0, black
Socket contact	Finish: Gold over nickel

\* To avoid damaging the cable, use the mounting aid to connect and disconnect the output cable.

JAE FI-Series Connector	Product Notes	Change No: C137821-10
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	Document No	

**Ordering Designations**

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Type	Drawing	JAE Order No.
<p><b>Socket housing</b></p>		<p><b>FI-WxxS</b></p> <p>xx= number of contacts</p>
<p><b>Female contact</b> <b>AWG 32 - 28</b> (0,032 mm<sup>2</sup> - 0,092 mm<sup>2</sup>)</p>		<p><b>FI-C3-A1-15000</b></p>
<p><b>Manual crimping tool</b> <b>AWG 32 - 28</b></p>		<p><b>CT150-4C-FI</b></p>
<p><b>Semi-automatic crimping tool</b> <b>AWG 32 - 28</b></p>		<p><b>Press:</b> <b>CT215-4B</b></p> <p><b>Applicator:</b> <b>350-FI-2B</b></p>

**Ordering Addresses***only for information purposes*

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**The data in this Customer Information are intended solely for information and advice purposes.  
 The current specifications must be obtained directly from the manufacturer JAE.**

**Further information:**  
*Encoders for Servo Drives brochure*

JAE FI-Series Connector		Product Notes		Change No: C137821-10	
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		Document No		Page 6/ 6	