

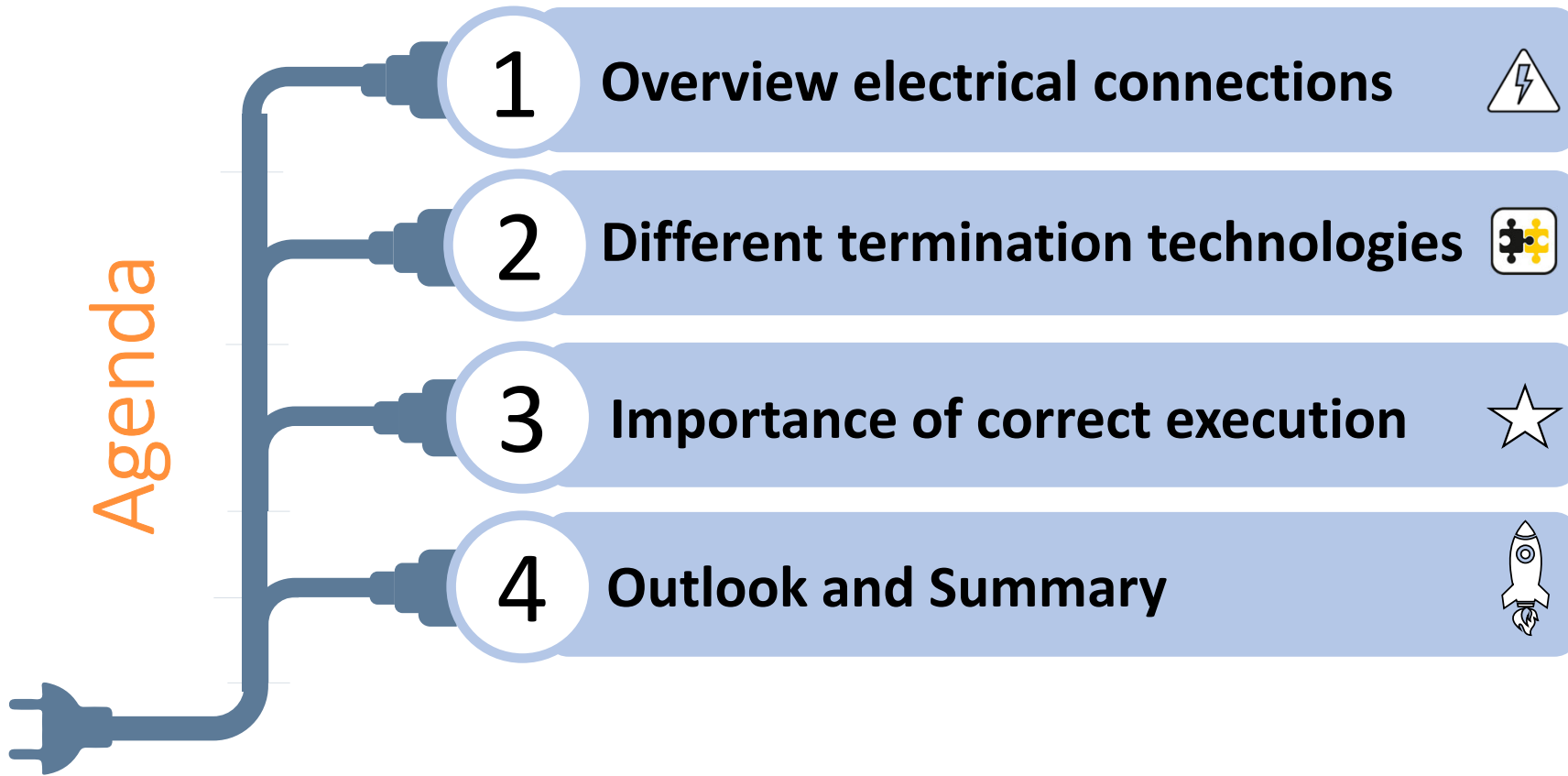
The right termination technology for the right application



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Agenda

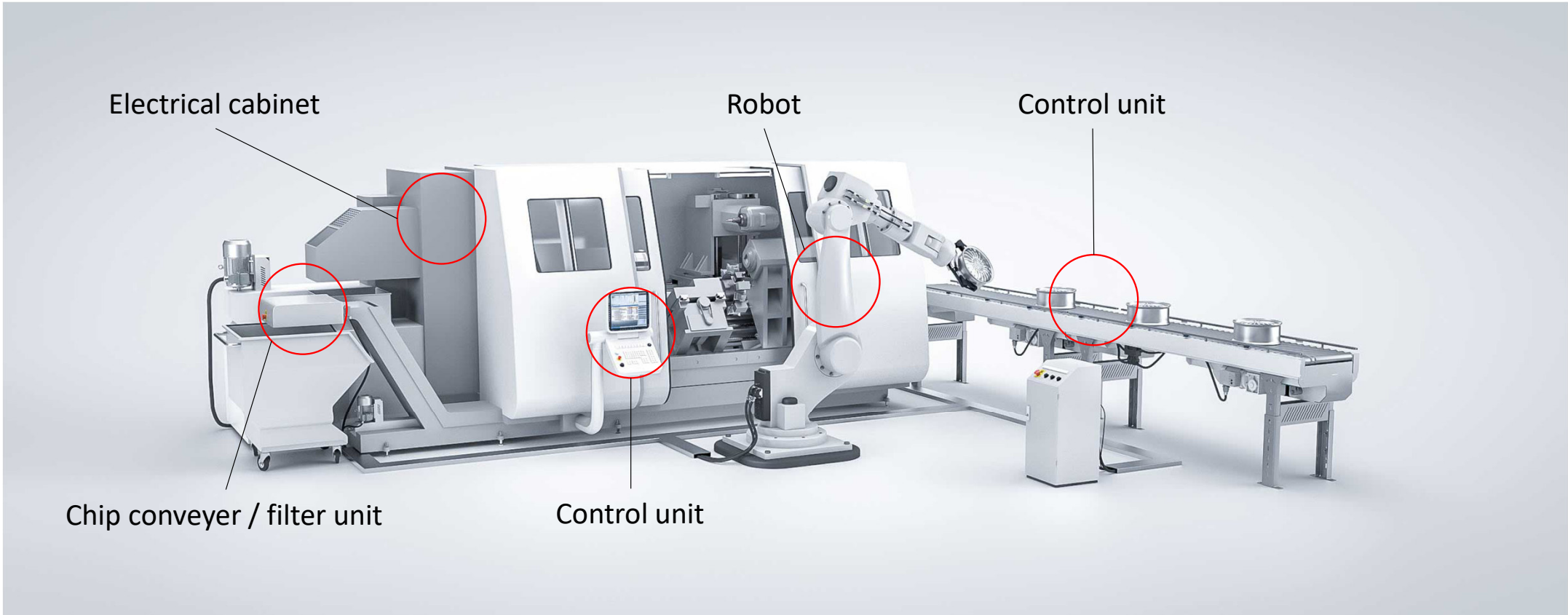


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1. Introduction electrical connections



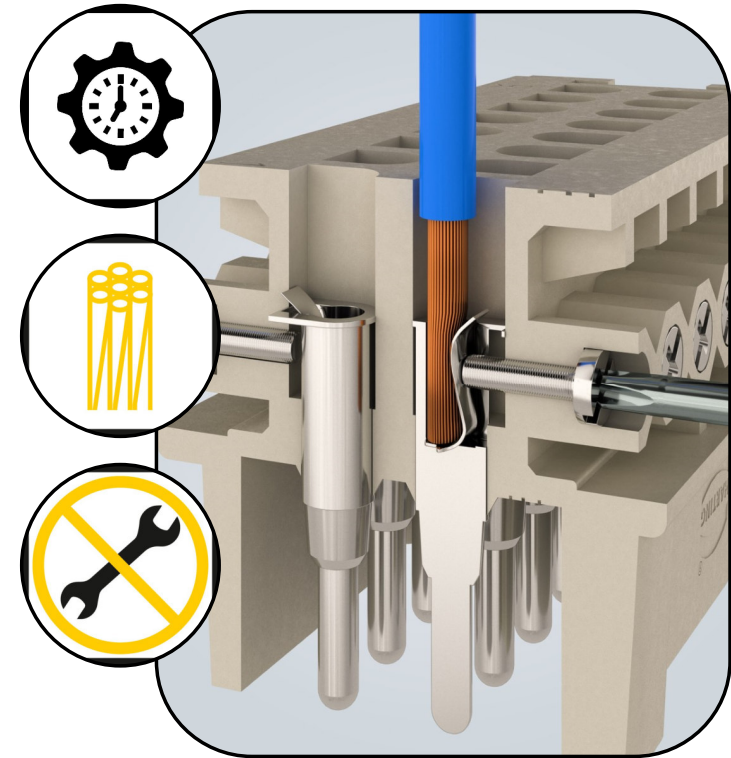
2. Termination Technology

2.1 Screw Termination

Oldest termination technology

With or without wire protection

No special tool is required



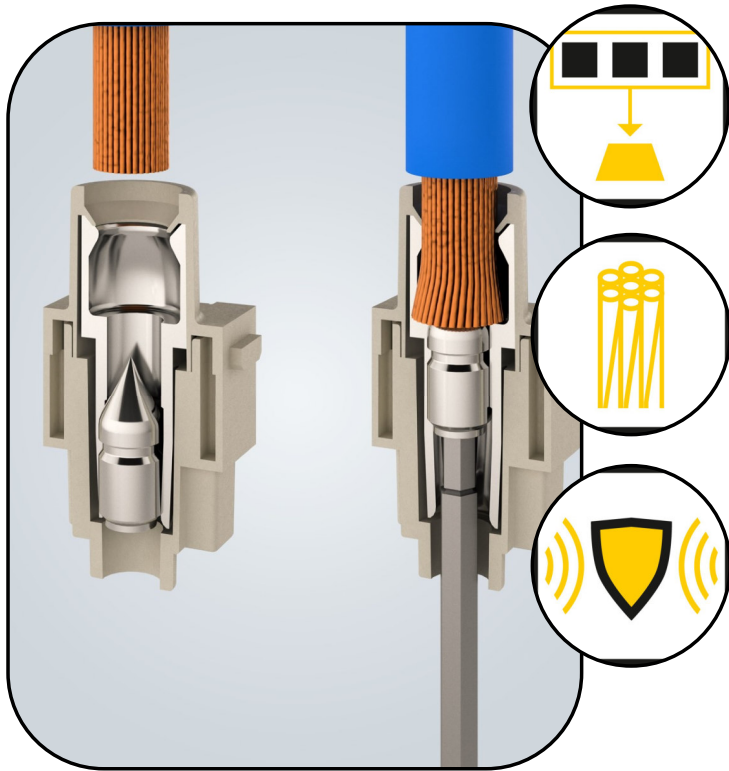
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2. Termination Technology

2.1 Screw Termination



Minimal space requirement

With or without wire protection

Particularly insensitive against shock and vibration



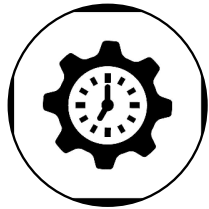
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2. Termination Technology

2.2 Crimp Termination



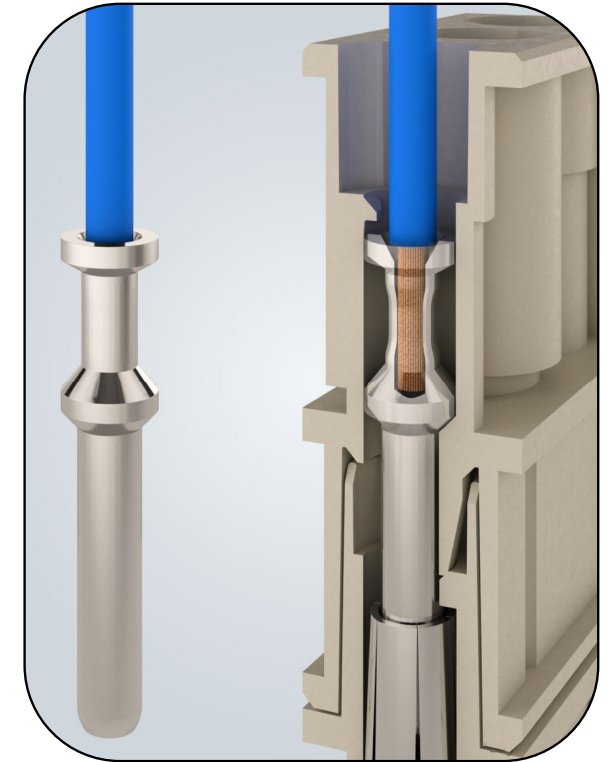
Was developed in the early 1940s



Invented for applications with high safety standards

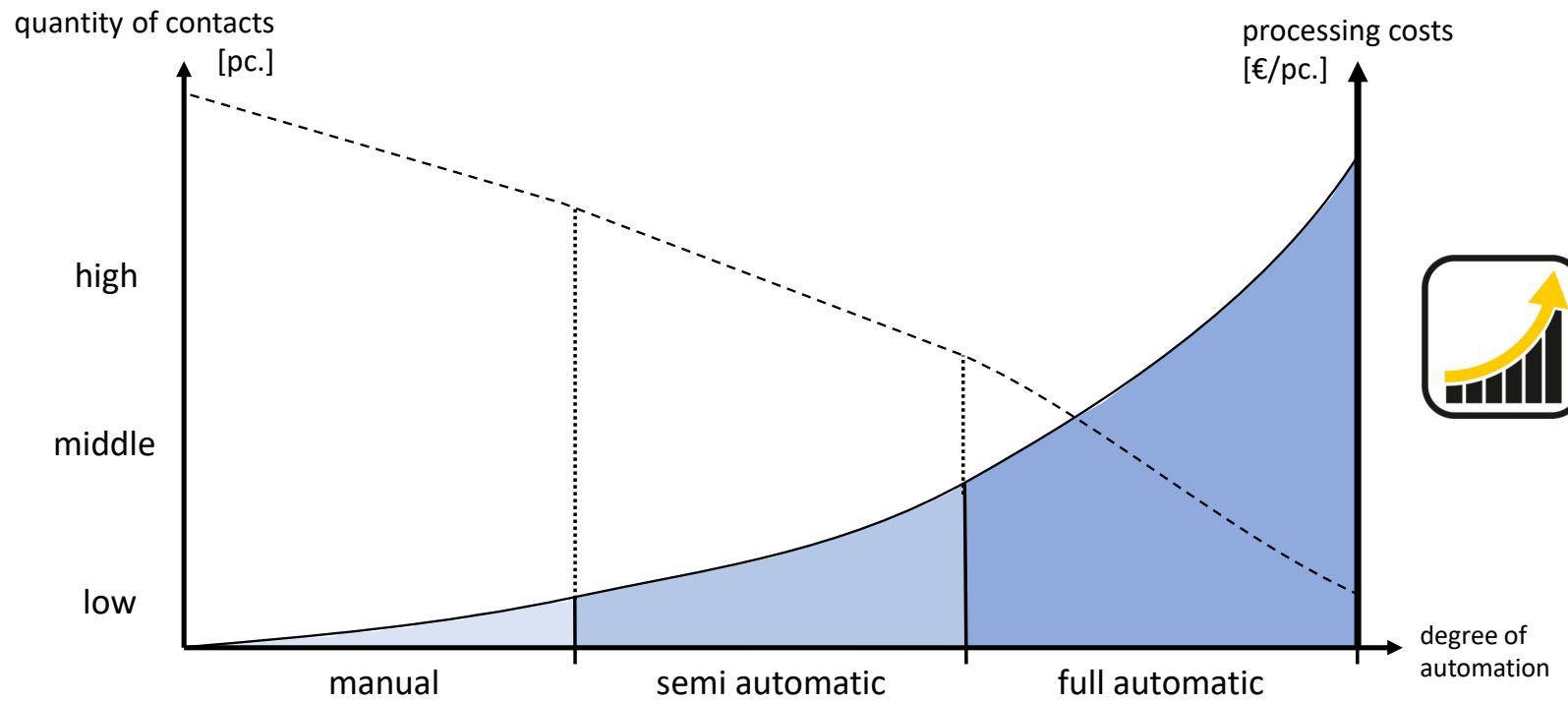


Controlled process of deforming a contact and a conductor



2. Termination Technology

2.2 Crimp Termination



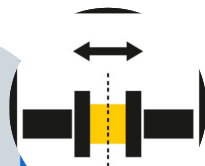
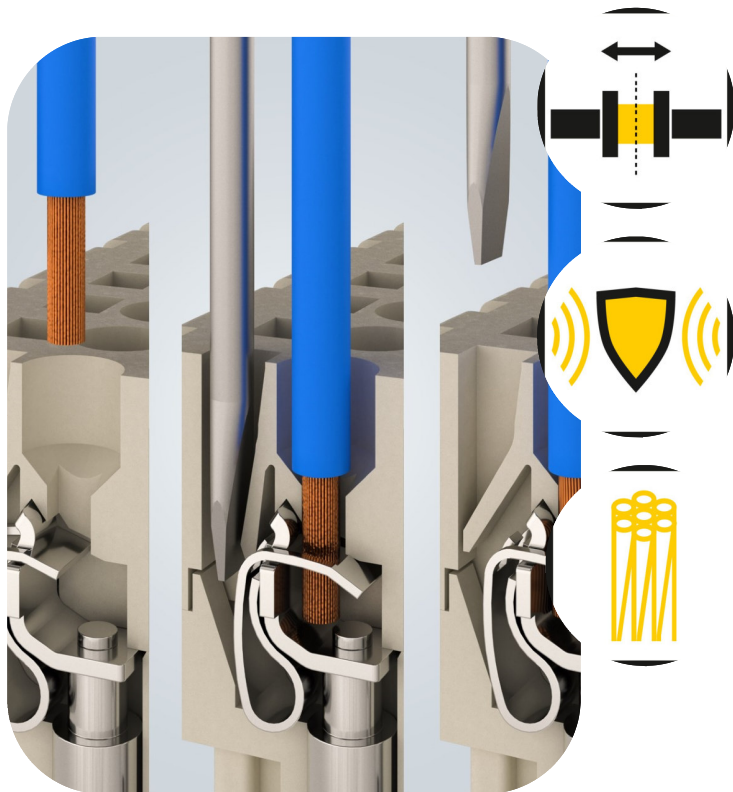
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2. Termination Technology

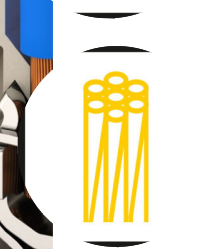
2.3 Cage Clamp Termination



Cage clamp closed / opened



Resistance to shock and vibration



Wires with or without ferrules



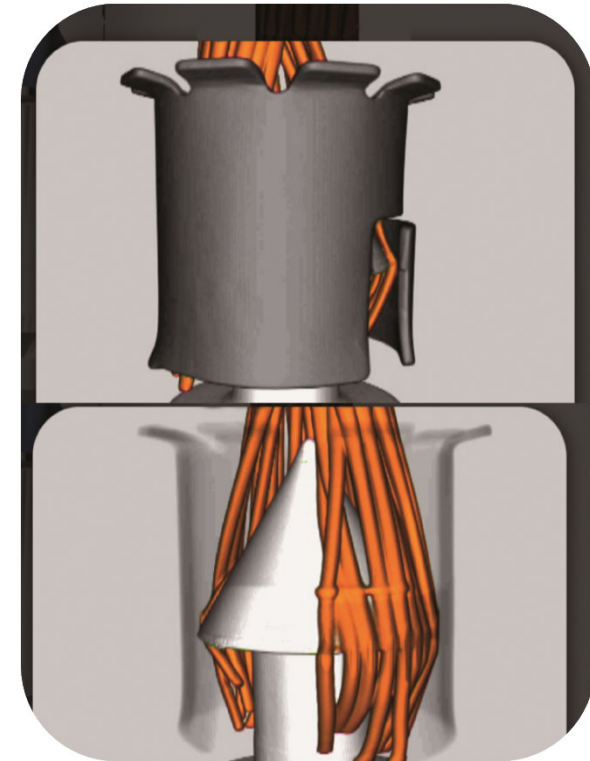
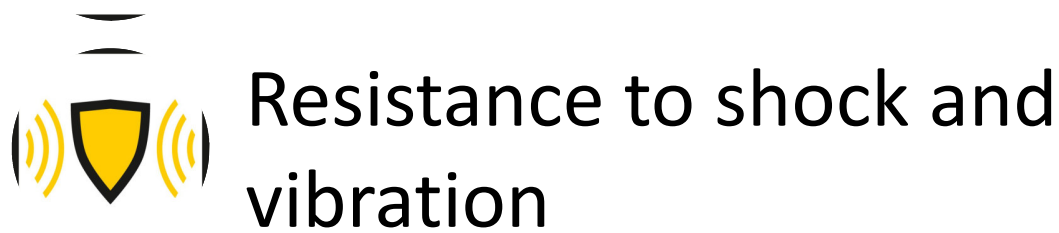
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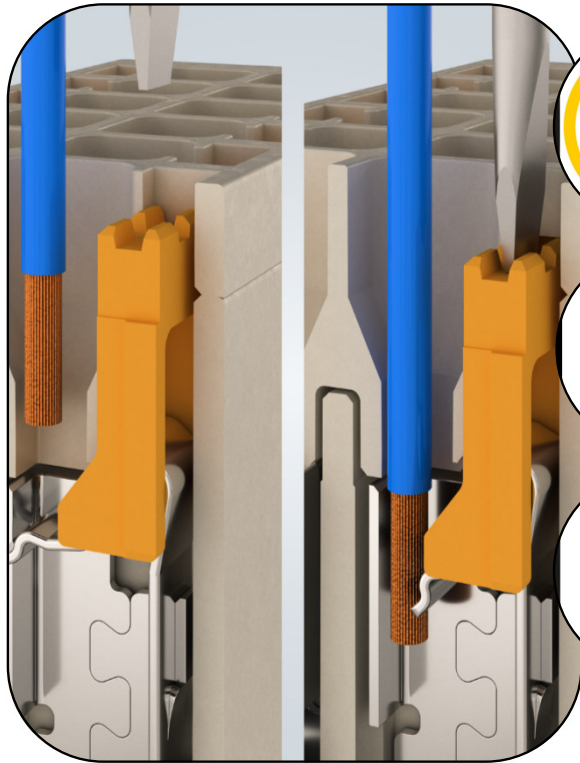
2. Termination Technology

2.3 Cage Clamp Termination



2. Termination Technology

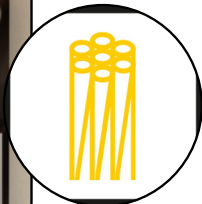
2.4 Push - In Termination



Easy handling due to tool-less termination



Less assembly time



Broad range of cables
Solid wires, stranded wires, ferrules



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2. Termination Technology

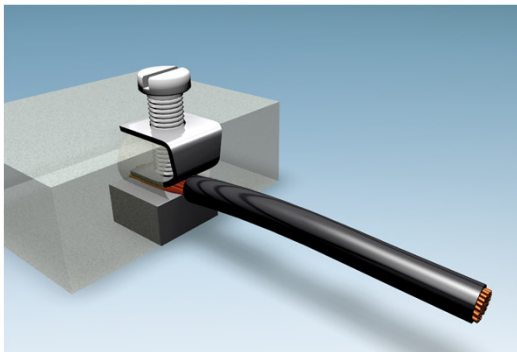
2.5 Applications - Summary

Contact density

Low

High

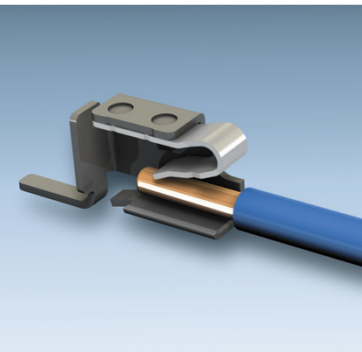
Screw



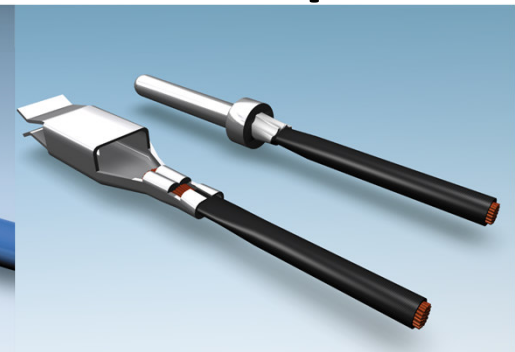
Cage clamp



Push-In



Crimp



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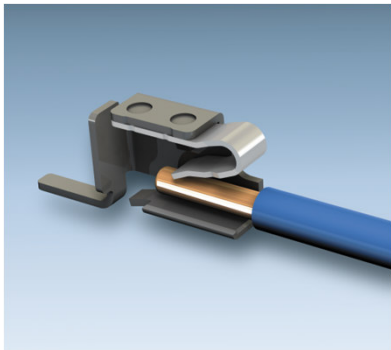
2.5 Applications - Summary

Area of application

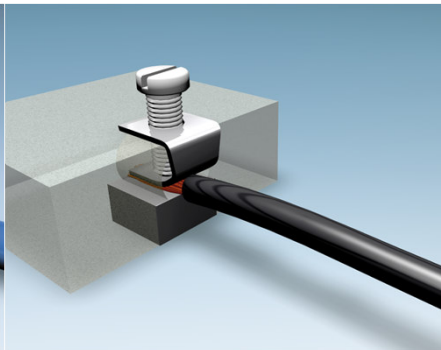
Field application

In production

Push-In



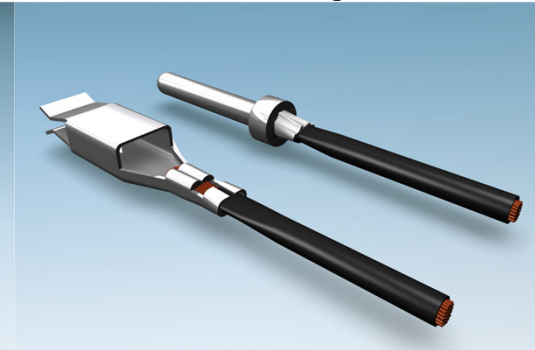
Screw



Cage clamp



Crimp



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2. Termination Technology

2.5 Applications - Summary



Screw

Cage clamp

Push-In

Crimp



2. Termination Technology

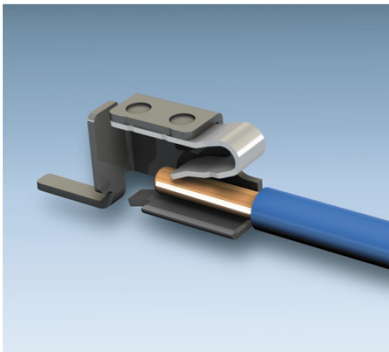
2.5 Applications - Summary

Knowledge

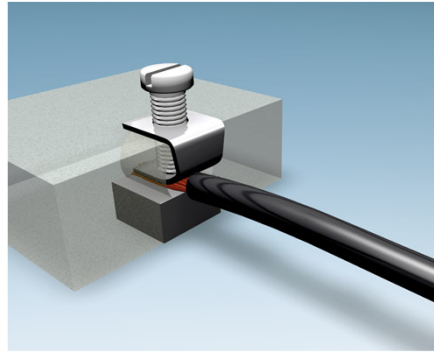
Competent

Skilled

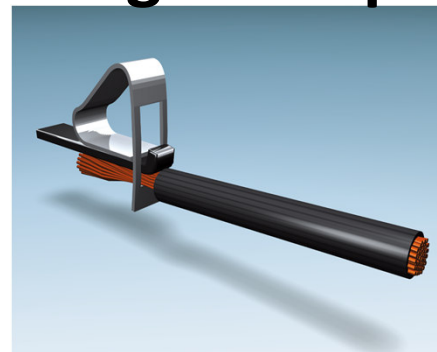
Push-In



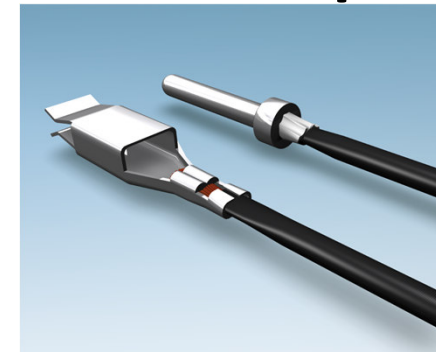
Screw



Cage clamp



Crimp



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3. Importance of correct terminations

Could be as minor as causing
a headlight to flicker



Or it could trigger a safety system
or data center to fail



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4. Outlook and Summary

Termination Technologies are more than just a connection

Termination Technologies have a direct influence on applications

A wide range of termination technologies supports your daily needs



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Thank you for your attention !



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