



# LOW TEMPERATURE RISE CLUSTER BLOCK

## AUTOMATED ASSEMBLY SOLUTION FOR AIR CONDITIONER COMPRESSORS

TE Connectivity has developed the low temperature rise cluster block to help air conditioner manufacturers meet compressor operating temperature requirements with a quick, easy and reliable connection. The cluster block design provides up to 28% lower temperature rise than current standard offerings. The solderless connection provides a cleaner assembly than comparable soldered solutions and the hermetic pin alignment feature supports easier automated assembly.

### ELECTRICAL

Rated Voltage: 220V AC, 310V DC

Maximum Rated Current:

- 14AWG: 12A
- 16AWG: 10A
- 18AWG: 9A

Wire Sizes: 18-14AWG

Insulation Diameter: 2.40 – 3.65mm

Maximum Temperature Rise: <25°C

### MATERIALS

- Operating Temperature: -40 to +125°C

### PRODUCT COMPLIANCE/ CERTIFICATION

- Flammability: GWEPT 750°C no flame and UL94 V-0

### FEATURES

- Hermetic pin alignment feature supports easier assembly and fully automated processing
- Housing stopper design helps reduce connector rotation risk by fixing mating part position after insertion
- Gap design between the terminal and housing increases reliability and provides better low level contact resistance (LLCR)
- Cleaner assembly with solderless mating

### ADDITIONAL INFORMATION

- Product Specification: [108-160375](#)
- Application Specification: [114-5235](#)
- [Product Page](#)

### APPLICATIONS



Air conditioner  
compressor (exterior)

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### PARTS

Part Description	Part Number	Applicator
2.29 DIA CLUSTER BLOCK HOUSING	<a href="#">2426423-1</a>	-
2.29 DIA CLUSTER BLOCK PIN RECEPTACLE	<a href="#">2392959-2</a>	<a href="#">2395425-2</a>

## Connect With Us

We make it easy to connect with our experts and are ready to provide all the support you need.

Visit [te.com/support](https://te.com/support) to chat with a Product Information Specialist.

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### te.com/cluster-blocks

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