



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 reduces 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)

LOW TEMPERATURE RISE CLUSTER BLOCK

PARTS

Part Description	Part Number	Applicator
2.29 DIA CLUSTER BLOCK HOUSING	2426423-1	-
2.29 DIA CLUSTER BLOCK PIN RECEPTACLE	2392959-2	2395425-2

te.com

© 2023 TE Connectivity. All Rights Reserved.

TE Connectivity, TE and TE connectivity (logo) are trademarks owned or licensed the TE Connectivity Ltd. family of companies.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

07/23