

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0504527125

Status:

Active

Description:

Circuit Breaker Terminal for 3/0 AWG, Closed Uninsulated Brazed Barrel, Stud Size 5/16" (M8), Oxygen-Free Copper, Length 49.00mm (1.929")

Documents:

Drawing (PDF)

Product Specification PS-50449-002 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E134962

General

Product Family

Series

Crimp Quality Equipment

Mil-Spec

Product Name

Type

Ring and Spade Terminals

50452

Yes

N/A

CB (Circuit Breaker)

Rectangular

Physical

Barrel Type

Insulation

Material - Plating Mating

Packaging Type

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Stud Size

Termination Interface: Style

Wire Size AWG

Wire Size mm²

Closed - Brazed

None

Tin

Bag

40

1

40

1

5/16" (M8)

Crimp or Compression

3/0

76.28 - 96.3

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-50449-002

SD-50452-7\*25



image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

50452Series

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Japan

| Description                                | Product #                  |
|--------------------------------------------|----------------------------|
| Tool Kit For 57343-9012                    | <a href="#">0573439001</a> |
| Battery Type Hand Crimper For JIS Terminal | <a href="#">0573439004</a> |

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DWG. NO.  
SD-50452-7\*25

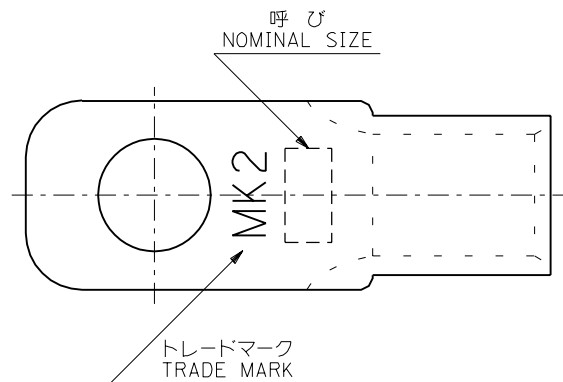
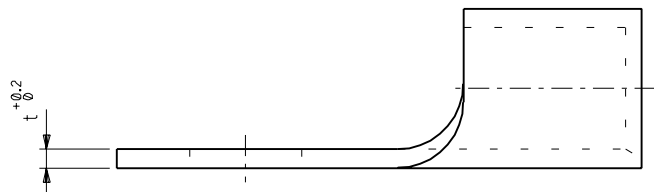
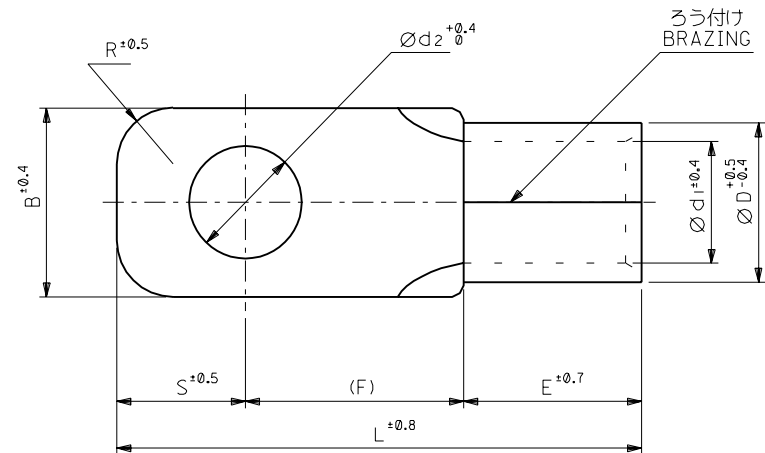
E

D

C  
B  
A  
DIMENSIONS IN METRIC DO NOT SCALE DRAWING

A

8 7 6 5 4 3 2 1



注 記  
NOTES

1. 材質 MATERIAL

端子：無酸素銅、スズメッキ

TERMINAL OXYGEN FREE HIGH CONDUCTIVITY COPPER, TIN PLATING

ろう付け部：銀ろう

PART OF BRAZING : SILVER SOLDER

2. 適用電線 APPLICABLE WIRE RANGE

| 単 線<br>SOLID WIRE | 撚 線<br>STRANDED WIRE       |
|-------------------|----------------------------|
| Ø9.27-10.41 mm    | 76.28-96.3 mm <sup>2</sup> |

|     |      |      |      |     |      |      |      |      |      |                     |            |
|-----|------|------|------|-----|------|------|------|------|------|---------------------|------------|
| 2.3 | 13.0 | 49.0 | 10.0 | 3.7 | 20.0 | 19.0 | 14.5 | 19.5 | 22.0 | CB80-12S            | 50452-7425 |
|     | 10.5 | 50.0 | 11.0 | 6.4 |      |      |      |      |      | CB80-10S            | 50452-7325 |
|     | 8.4  | 49.0 | 10.0 | 3.7 |      |      |      |      |      | CB80-10             | 50452-7225 |
|     |      | 50.0 | 11.0 | 6.4 |      |      |      |      |      | CB80-8S             | 50452-7125 |
| t   | d2   | L    | S    | R   | (F)  | E    | d1   | D    | B    | 呼 び<br>NOMINAL SIZE | ENG. NO.   |

|                            |           |                            |                         |       |       |            |          |          |          |          |
|----------------------------|-----------|----------------------------|-------------------------|-------|-------|------------|----------|----------|----------|----------|
| 角度 ANGLE                   | 30°       | 45°                        | 60°                     | 75°   | 90°   | 105°       | 120°     | 135°     | 150°     | 180°     |
| 30° 以上<br>OVER             | ±0.5      | ±0.5                       | ±0.5                    | ±0.5  | ±0.5  | ±0.5       | ±0.5     | ±0.5     | ±0.5     | ±0.5     |
| 10° 以上<br>OVER             | ±0.25     | ±0.25                      | ±0.25                   | ±0.25 | ±0.25 | ±0.25      | ±0.25    | ±0.25    | ±0.25    | ±0.25    |
| 10° 未満<br>UNDER            | ±0.2      | ±0.2                       | ±0.2                    | ±0.2  | ±0.2  | ±0.2       | ±0.2     | ±0.2     | ±0.2     | ±0.2     |
| 一般公差<br>GENERAL TOLERANCES | 記号<br>LTR | 新規作成<br>RELEASED (JC90124) | 変更内容<br>REVISION RECORD | DR.   | CHK.  | 日付<br>DATE | 98/10/02 | 98/10/02 | 98/10/02 | 98/10/02 |

|                      |                   |
|----------------------|-------------------|
| 材料<br>MATERIAL       | 注記参照<br>SEE NOTES |
| 仕上げ<br>FINISH        | 注記参照<br>SEE NOTES |
| 適用電線範囲<br>WIRE RANGE | 注記参照<br>SEE NOTES |
| 被覆外径<br>INS. RANGE   | —                 |
| DRAWN BY 98/09/30    | CHK'D BY 98/10/02 |
| H.IIJIMA             | T.YAMAGUCHI       |
| APP'D BY 98/10/02    | M.FUKUSHIMA       |
| 尺 度                  | —                 |
| スケール                 | —                 |

|                                                                                                                        |     |
|------------------------------------------------------------------------------------------------------------------------|-----|
| molex MOLEX-JAPAN CO.,LTD.<br>日本モレックス株式会社                                                                              |     |
| REVISE ONLY ON CAD SYSTEM                                                                                              |     |
| TITLE 名称<br>RING TERMINAL (FOR BREAKER)<br>(銅線用裸圧着端子)<br>(NON-INSULATED CRIMP-STYLE<br>TERMINAL FOR COPPER CONDUCTORS) |     |
| DWG. NO.                                                                                                               | REV |
| SD-50452-7*25                                                                                                          | 0   |