# Fuseholder FUS cpl. 5x20 slotted

SCHURTER part numbers 0031.9156 and 0031.9160

| | |
|---|---|
| **Type** | FUS |
| **Product group** | Fuseholder |
| **Business unit** | Circuit Protection |



| Composition part | Material group | Materials | | CAS if applicable | Average mass [weight-%] | Sum [%] | Traces |
|---|---|---|---|---|---|---|---|
| Plastic parts | Thermoplastic | Polybutylene terephthalate | PBT | 26062-94-2 | 28.35 | 34.5 | |
| | Thermoset | Phenol formaldehyde | PF | 9003-35-4 | 6.15 | | |
| Metal parts | | Silver | Ag | 7440-22-4 | 0.05 | 64.1 | |
| | | Beryllium | Be | 7440-41-7 | 0.05 | | |
| | | Copper | Cu | 7440-50-8 | 43.60 | | |
| | | Chromium | Cr | 7440-47-3 | 1.20 | | |
| | | Iron | Fe | 7439-89-6 | 5.10 | | |
| | | Nickel | Ni | 7440-02-0 | 0.80 | | |
| | | Lead | Pb | 7439-92-1 | 0.60 | | |
| | | Tin | Sn | 7440-31-5 | 0.40 | | |
| | | Zinc | Zn | 7440-66-6 | 12.30 | | |
| Other parts | | Silicon rubber | | 63148-62-9 | 1.40 | 1.4 | |
| | | | | | Sum in total: | 100 | |

| | |
|---|---|
| Weight range | ca. 36.1g |
| Fluctuation margin | n/a |

| | |
|---|---|
| Part complies with EU RoHS directive: Yes<br>6(c) - Copper alloy containing up to 4% lead by weight | RoHS COMPLIANT |
| Part complies with China RoHS directive: No | 50 |
| Part complies with IEC definition of halogen free products: Yes | Halogen Free HF |



| | |
|---|---|
| Company | SCHURTER AG |
| Address | Werkhofstrasse 8-12<br>CH-6002 Luzern, Switzerland |
| E-mail | substances@schurter.ch |
| Internet | www.schurter.com |
| Certified Management Systems | ISO 9001 since 1990<br>ISO 14001 since 1996<br>OHSAS 18001 since 2005<br>ISO 50001 since 2014 |



## Important remarks:

1) Traces are product parts, substances etc. that are below a percentage of 0.1 % (1000ppm) by weight.
   Higher limits are accepted if the substance or material is legally regulated (see note no. 2).
2) REACH legislation, annex XVII contains a list of legal restrictions on substances or materials and is available at http://echa.europa.eu/candidate-list-table
3) Substances, materials etc. with possible harmful effects on human beings and the environment are listed.
4) There are no risks for human beings and to the environment if products are properly used as designated.
   This shall not apply to risks caused during procedures for disposal etc.
5) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.

Zentralverband Elektrotechnik- und Elektronikindustrie e.V. ZVEI

**This Product Content Sheet has been established according to** Umbrella Specs**, an initiative of the German Electrical and Electronic Manufacturer's Association (ZVEI). Reference:**
http://www.zvei.org/fachverbaende/electronic_components_and_systems/material_content_data

# Fuseholder FUS cpl. 6.3x32 slotted

SCHURTER part numbers 0031.9157 and 0031.9161

| | |
|---|---|
| **Type** | FUS |
| **Product group** | Fuseholder |
| **Business unit** | Circuit Protection |



| Composition part | Material group | Materials | | CAS if applicable | Average mass [weight-%] | Sum [%] | Traces |
|---|---|---|---|---|---|---|---|
| Plastic parts | Thermoplastic | Polybutylene terephthalate | PBT | 26062-94-2 | 28.40 | 34.6 | |
| | Thermoset | Phenol formaldehyde | PF | 9003-35-4 | 6.20 | | |
| Metal parts | | Copper | Cu | 7440-50-8 | 43.95 | 64.0 | |
| | | Chromium | Cr | 7440-47-3 | 1.05 | | |
| | | Iron | Fe | 7439-89-6 | 4.30 | | |
| | | Nickel | Ni | 7440-02-0 | 0.70 | | |
| | | Lead | Pb | 7439-92-1 | 0.70 | | |
| | | Tin | Sn | 7440-31-5 | 0.50 | | |
| | | Zinc | Zn | 7440-66-6 | 12.80 | | |
| Other parts | | Silicon rubber | | 63148-62-9 | 1.40 | 1.4 | |
| | | | | | Sum in total: | 100 | |

| | |
|---|---|
| Weight range | ca. 36.0g |
| Fluctuation margin | n/a |

| | |
|---|---|
| Part complies with EU RoHS directive: Yes<br>6(c) - Copper alloy containing up to 4% lead by weight | RoHS COMPLIANT |
| Part complies with China RoHS directive: No | 50 |
| Part complies with IEC definition of halogen free products: Yes | Halogen Free HF |

| | |
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| Certified Management Systems | ISO 9001 since 1990<br>ISO 14001 since 1996<br>OHSAS 18001 since 2005<br>ISO 50001 since 2014 |

## Important remarks:

6) Traces are product parts, substances etc. that are below a percentage of 0.1 % (1000ppm) by weight.
Higher limits are accepted if the substance or material is legally regulated (see note no. 2).
7) REACH legislation, annex XVII contains a list of legal restrictions on substances or materials and is available at http://echa.europa.eu/candidate-list-table
8) Substances, materials etc. with possible harmful effects on human beings and the environment are listed.
9) There are no risks for human beings and to the environment if products are properly used as designated.
This shall not apply to risks caused during procedures for disposal etc.
10) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.

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# Fuseholder FUS cpl. 5x20 Fingergrip

SCHURTER part numbers 0031.9158 and 0031.9162

| | |
|---|---|
| **Type** | FUS |
| **Product group** | Fuseholder |
| **Business unit** | Circuit Protection |



| Composition part | Material group | Materials | | CAS if applicable | Average mass [weight-%] | Sum [%] | Traces |
|---|---|---|---|---|---|---|---|
| Plastic parts | Thermoplastic | Polybutylene terephthalate | PBT | 26062-94-2 | 39.90 | 39.9 | |
| Metal parts | | Silver | Ag | 7440-22-4 | 0.05 | 58.8 | |
| | | Copper | Cu | 7440-50-8 | 40.00 | | |
| | | Chromium | Cr | 7440-47-3 | 1.10 | | |
| | | Iron | Fe | 7439-89-6 | 4.65 | | |
| | | Nickel | Ni | 7440-02-0 | 0.70 | | |
| | | Lead | Pb | 7439-92-1 | 0.60 | | |
| | | Tin | Sn | 7440-31-5 | 0.40 | | |
| | | Zinc | Zn | 7440-66-6 | 11.30 | | |
| Other parts | | Silicon rubber | | 63148-62-9 | 1.30 | 1.3 | |
| | | | | | Sum in total: | 100 | |

| | |
|---|---|
| Weight range | ca. 39.3 g |
| Fluctuation margin | n/a |

| | |
|---|---|
| Part complies with EU RoHS directive: Yes<br>6(c) - Copper alloy containing up to 4% lead by weight | RoHS COMPLIANT |
| Part complies with China RoHS directive: No | 50 |
| Part complies with IEC definition of halogen free products: Yes | Halogen Free HF |



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| Certified Management Systems | ISO 9001 since 1990<br>ISO 14001 since 1996<br>OHSAS 18001 since 2005<br>ISO 50001 since 2014 |



## Important remarks:

11) Traces are product parts, substances etc. that are below a percentage of 0.1 % (1000ppm) by weight.
Higher limits are accepted if the substance or material is legally regulated (see note no. 2).
12) REACH legislation, annex XVII contains a list of legal restrictions on substances or materials and is available at http://echa.europa.eu/candidate-list-table
13) Substances, materials etc. with possible harmful effects on human beings and the environment are listed.
14) There are no risks for human beings and to the environment if products are properly used as designated.
This shall not apply to risks caused during procedures for disposal etc.
15) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.

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# Fuseholder FUS cpl. 6.3x32 Fingergrip

SCHURTER part numbers 0031.9159 and 0031.9163

| | |
|---|---|
| **Type** | FUS |
| **Product group** | Fuseholder |
| **Business unit** | Circuit Protection |



| Composition part | Material group | Materials | | CAS if applicable | Average mass [weight-%] | Sum [%] | Traces |
|---|---|---|---|---|---|---|---|
| Plastic parts | Thermoplastic | Polybutylene terephthalate | PBT | 26062-94-2 | 40.00 | 40.0 | |
| Metal parts | | Copper | Cu | 7440-50-8 | 40.30 | 58.7 | |
| | | Chromium | Cr | 7440-47-3 | 1.00 | | |
| | | Iron | Fe | 7439-89-6 | 3.95 | | |
| | | Nickel | Ni | 7440-02-0 | 0.60 | | |
| | | Lead | Pb | 7439-92-1 | 0.60 | | |
| | | Tin | Sn | 7440-31-5 | 0.50 | | |
| | | Zinc | Zn | 7440-66-6 | 11.75 | | |
| Other parts | | Silicon rubber | | 63148-62-9 | 1.30 | 1.3 | |
| | | | | | Sum in total: | 100 | |

| | |
|---|---|
| Weight range | ca. 39.2g |
| Fluctuation margin | n/a |

| | |
|---|---|
| Part complies with EU RoHS directive: Yes<br>6(c) - Copper alloy containing up to 4% lead by weight | RoHS COMPLIANT |
| Part complies with China RoHS directive: No | 50 |
| Part complies with IEC definition of halogen free products: Yes | Halogen Free HF |

| | |
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| Certified Management Systems | ISO 9001 since 1990<br>ISO 14001 since 1996<br>OHSAS 18001 since 2005<br>ISO 50001 since 2014 |

## Important remarks:

16) Traces are product parts, substances etc. that are below a percentage of 0.1 % (1000ppm) by weight.
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18) Substances, materials etc. with possible harmful effects on human beings and the environment are listed.
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20) All statements herein are based on our present knowledge. If our products are used properly, there are no risks to human beings and/or the environment.

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