Cylindrical House Service Cut-Out Fuse Links and Modular Fuse Holder
KR85 Fuse Link

Catalogue Symbol: (Amp rating)KR85
Class of Operation: gG
Fuse Holders: See page 7 and 8 for details

Dimensions - mm:

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Standards/Approvals:
- ASTA Certified
- BS1361: 1971 including amendments 1, 2 and 3

Description: Designed for use in conventional house service cut-outs (Cooper Bussmann part number 6080SP)

Packaging:
- Pack quantity: 20
- MOQ: 20

Technical Data:
- Rated voltage: 415Vac
- Amps: 5 to 100A
- Rated breaking capacity: 33kA

<table>
<thead>
<tr>
<th>Amp Rating/ Catalogue Number</th>
<th>I²t (Amp² Seconds)</th>
<th>Nom. Watts Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pre-Arcing</td>
<td>Total at 240V</td>
</tr>
<tr>
<td>5KR85</td>
<td>8.4</td>
<td>15</td>
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<tr>
<td>10KR85</td>
<td>84</td>
<td>150</td>
</tr>
<tr>
<td>15KR85</td>
<td>53</td>
<td>90</td>
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<td>20KR85</td>
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<td>360</td>
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<td>25KR85</td>
<td>480</td>
<td>815</td>
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<tr>
<td>30KR85</td>
<td>1000</td>
<td>2700</td>
</tr>
<tr>
<td>40KR85</td>
<td>2500</td>
<td>6800</td>
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<td>45KR85</td>
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<td>9880</td>
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<td>80KR85</td>
<td>24500</td>
<td>41500</td>
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<tr>
<td>90KR85*</td>
<td>33000</td>
<td>56500</td>
</tr>
<tr>
<td>100KR85*</td>
<td>43500</td>
<td>73500</td>
</tr>
</tbody>
</table>

* Not recommended for use in the UK. If 90A or 100A fuse links are required in the UK please use Cooper Bussmann 100LR85 and Cooper Bussmann 100SP fuse holder instead.
Cylindrical House Service Cut-Out Fuse Links and Modular Fuse Holder
KR85 Fuse Link

Time-Current Curve Characteristics

CURRENT (Amps)

TIME (SECONDS)

0.004 0.01 0.1 1 2 5 6 10 100 1000 10,000

5A 10A 15A 20A 25A 30A 40A 45A 50A 60A 70A 80A 90A 100A

4 6 8 10 2 4 6 8 1000 2 4 2 4 6 8 100 2 4
Cylindrical House Service Cut-Out Fuse Links and Modular Fuse Holder
KR85 Fuse Link

Cut-Off Current Curves

PROSPECTIVE CURRENT (SYM. R.M.S. kA)

CUT-OFF CURRENT (kA PEAK)

100A
90A
80A
70A
60A
50A
45A
40A
30A
25A
20A
15A
10A
5A
Cylindrical House Service Cut-Out Fuse Links and Modular Fuse Holder

LR85 Fuse Link

Catalogue Symbol: (Amp rating)LR85
Class of Operation: gG
Fuse Holders: See page 7 and 8 for details

Dimensions - mm:

Standards/Approvals:
- ASTA Certified
- BS1361: 1971 including amendments 1, 2 and 3

Description: Designed for use in conventional house service cut-outs (Cooper Bussmann part number 100SP).

Packaging:
- Pack quantity: 20
- MOQ: 20

Technical Data:
House service fuse links
Rated voltage: 415Vac
Amps: 30 to 100A
Rated breaking capacity: 33kA

Amp Rating/ Catalogue Number | I^2t (Amp^2 Seconds) | Nom. Watts Loss
---|---|---
| | Pre-Arcing | Total at 240V | Total at 415V |
| 30LR85 | 1200 | 2300 | 3600 | 3.4 |
| 40LR85 | 3680 | 6900 | 11000 | 3.5 |
| 50LR85 | 6360 | 12000 | 19100 | 4.1 |
| 60LR85 | 12700 | 24000 | 38100 | 4.5 |
| 80LR85 | 13200 | 38100 | 82500 | 4.9 |
| 100LR85 | 26900 | 57300 | 99500 | 5.0 |
Time-Current Curves Characteristics

- 30A
- 40A
- 50A
- 60A
- 80A
- 100A

CURRENT (Amps)

TIME (SECONDS)
Cut-Off Current Curves

PROSPECTIVE CURRENT (SYM. R.M.S. kA)

CUT-OFF CURRENT (kA PEAK)

- 100A
- 80A
- 60A
- 50A
- 40A
- 30A

Prospective Current (Sym. R.M.S. kA)
Part Numbers:
6080SP: Single-pole unit 60/80A  
100SP: Single-pole unit 100A  
CNE-HS: Single-pole combined neutral and earth module  
SNE-HS: Single-pole separate neutral and earth module

Standards/Approvals:  
• BS 7657  
• Third party verified

Description: House service cut-out for use with house service fuse links, Cooper Bussmann part numbers KR85 / LR85 or equivalent.

Packaging:  
Pack quantity: 10  
MOQ: 10

Technical Data:  
Rated voltage: 415Vac  
Amps: 60/80A and 100A  
Rated breaking capacity: as per BS 1361, 33kA

Accessory Catalogue Numbers  
SP-HS-COVER: Single-pole and neutral crutch cover  
TP-HS-COVER: Three-pole and neutral crutch cover  
SPARES-KITS-HS: 2 grommets, 2 "H" mouldings, 1 adaptor, 1 screw  
TOOL-HS: Cable entry plug removal tool

Features:  
• Modularity  
• Thermally efficient  
• Ease of installation  
• Reverse polarity  
• Third party approved
Cylindrical House Service Cut-Out Fuse Links and Modular Fuse Holder

Modular Fuse Holder Dimensions - mm

Modular Fuse Holder Recommended Torque Values

- **Phase Terminals** - 3.5N\(\text{m}\)
- **Neutral Terminals** - 3.5N\(\text{m}\)
- **Fuse-Link Retaining Screws** - 2.5N\(\text{m}\)
- **Earth Terminals** - 3.5N\(\text{m}\)