

# Plug - PP-H 1,5/S/1-R RD - 3212695

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Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: red

## Product Description


Connector element right, left housing with engagement pin, right closed with cover

## Your advantages

- Large-surface labeling option
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 pc   |
| GTIN         | <br>4 046356 915076 |
| GTIN         | 4046356915076   |

## Technical data

### General

|  |   |
|--|---|
| Number of positions                    | 1   |
| Number of levels                       | 1   |
| Number of connections                  | 1   |
| Potentials                             | 1   |
| Nominal cross section                  | 1.5 mm <sup>2</sup>   |
| Color                                  | red   |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V0  |
| Area of application                    | Machine building<br>Plant engineering   |
| Assembly instructions                  | Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly |

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## Technical data

### General

|   |   |
|---|---|
| Maximum load current  | 17.5 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage   | 6 kV  |
| Degree of pollution   | 3   |
| Overvoltage category  | III   |
| Insulating material group   | I   |
| Maximum power dissipation for nominal condition                         | 0.56 W  |
| Maximum load current  | 17.5 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>  | 17.5 A (observe derating)                                 |
| Nominal voltage U <sub>N</sub>  | 500 V   |
| Open side panel   | Yes   |
| Relative insulation material temperature index (Elec., UL 746 B)        | 125 °C  |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C  |
| Static insulating material application in cold                          | -60 °C  |

### Dimensions

|        |         |
|--------|---------|
| Width  | 3.5 mm  |
| Length | 16.5 mm |
| Height | 31.3 mm |
|        | 19.5 mm |
| Pitch  | 3.5 mm  |

### Connection data

|  |  |
|--|--|
| Connection   | 1 level                                  |
| Connection method  | Push-in connection                       |
| Stripping length   | 8 mm                                     |
| Connection in acc. with standard   | IEC 61984                                |
| Conductor cross section solid min.   | 0.14 mm <sup>2</sup>                     |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>                      |
| Conductor cross section AWG min.   | 26                                       |
| Conductor cross section AWG max.   | 14                                       |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup>                     |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>                      |
| Min. AWG conductor cross section, flexible                                 | 26                                       |
| Max. AWG conductor cross section, flexible                                 | 14                                       |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm <sup>2</sup>                     |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>                      |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.14 mm <sup>2</sup>                     |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1 mm <sup>2</sup>                        |
| Connection cross sections directly pluggable                               | 0.25 mm <sup>2</sup> 1.5 mm <sup>2</sup> |
| Conductor cross section solid min.   | 0.25 mm <sup>2</sup>                     |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>                      |

## Plug - PP-H 1,5/S/1-R RD - 3212695

### Technical data

#### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.34 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.34 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1 mm <sup>2</sup>    |
| Internal cylindrical gage  | A1 / B1              |

#### Standards and Regulations

|  |           |
|--|-----------|
| Connection in acc. with standard       | IEC 61984 |
| Flammability rating according to UL 94 | V0        |

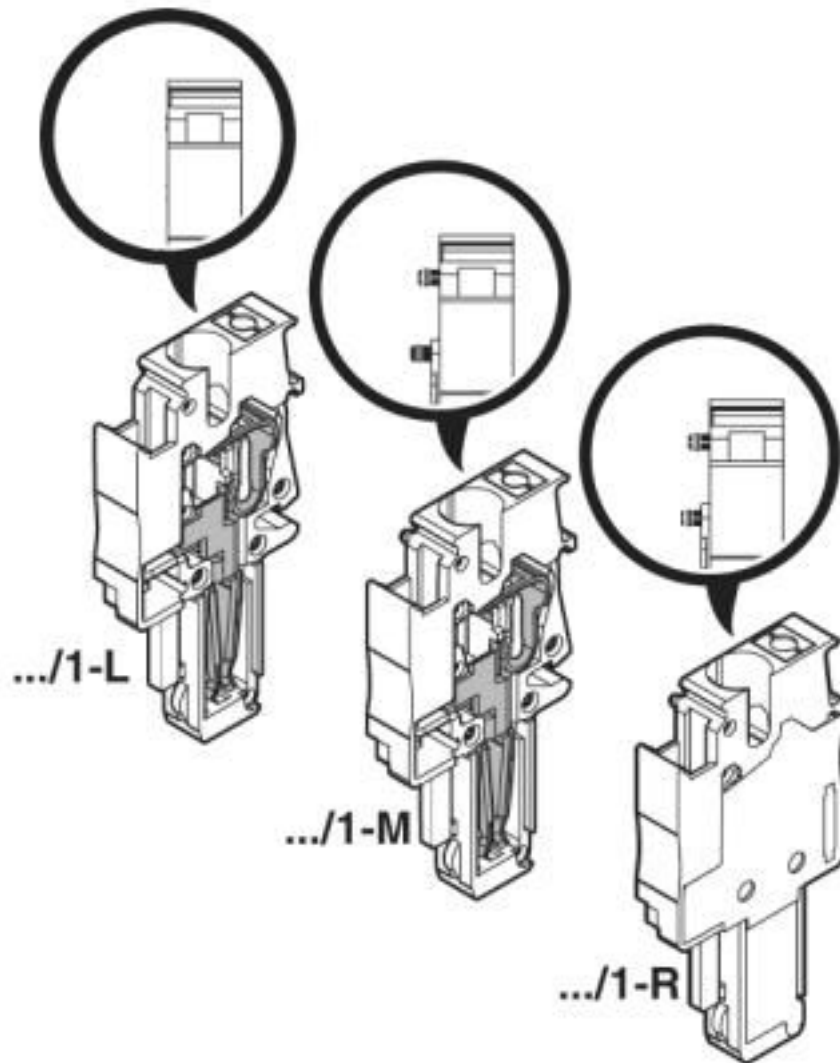
#### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

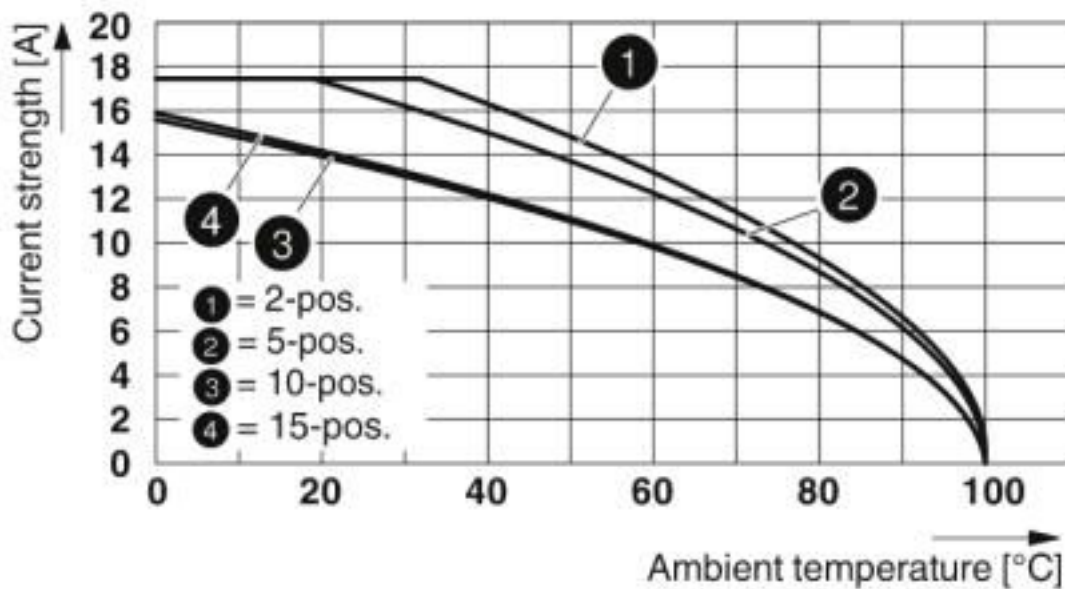
# Plug - PP-H 1,5/S/1-R RD - 3212695

Schematic diagram



# Plug - PP-H 1,5/S/1-R RD - 3212695

Diagram



Circuit diagram



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141151 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27141100 |
| eCl@ss 7.0    | 27141151 |
| eCl@ss 8.0    | 27141151 |
| eCl@ss 9.0    | 27141151 |

ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002021 |
| ETIM 5.0 | EC002021 |
| ETIM 6.0 | EC002021 |
| ETIM 7.0 | EC002021 |

# Plug - PP-H 1,5/S/1-R RD - 3212695

## Classifications

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211802 |
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11     | 39121402 |
| UNSPSC 12.01  | 39121402 |
| UNSPSC 13.2   | 39121402 |
| UNSPSC 18.0   | 39121402 |
| UNSPSC 19.0   | 39121402 |
| UNSPSC 20.0   | 39121402 |
| UNSPSC 21.0   | 39121402 |

## Approvals


### Approvals

#### Approvals


CSA / BV / LR / NK / UL Recognized / cUL Recognized / IECCEB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / DNV GL / cULus Recognized

#### Ex Approvals

### Approval details

|                            |   |   |       |
|----------------------------|---|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                            | B   | C   | D     |
| Nominal voltage UN         | 300 V   | 300 V   | 600 V |
| Nominal current IN         | 15 A  | 15 A  | 5 A   |
| mm <sup>2</sup> /AWG/kcmil | 26-14   | 26-14   | 26-14 |

|    |   |   |             |
|----|---|---|-------------|
| BV |  | <a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a> | 39979/B0 BV |
|----|---|---|-------------|

|    |   |   |               |
|----|---|---|---------------|
| LR |  | <a href="http://www.lr.org/en">http://www.lr.org/en</a> | 12/20038 (E3) |
|----|---|---|---------------|

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## Approvals

|    |                |   |          |
|----|----------------|---|----------|
| NK | <b>ClassNK</b> | <a href="http://www.classnk.or.jp/hp/en/">http://www.classnk.or.jp/hp/en/</a> | 14ME0912 |
|----|----------------|---|----------|

|                            |       |   |              |
|----------------------------|-------|---|--------------|
| UL Recognized              |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B     | C   | D            |
| Nominal voltage UN         | 300 V | 300 V   | 600 V        |
| Nominal current IN         | 15 A  | 15 A  | 5 A          |
| mm <sup>2</sup> /AWG/kcmil | 26-14 | 26-14   | 26-14        |

|                            |       |   |              |
|----------------------------|-------|---|--------------|
| cUL Recognized             |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B     | C   | D            |
| Nominal voltage UN         | 300 V | 300 V   | 600 V        |
| Nominal current IN         | 15 A  | 15 A  | 5 A          |
| mm <sup>2</sup> /AWG/kcmil | 26-14 | 26-14   | 26-14        |

|                            |          |   |                 |
|----------------------------|----------|---|-----------------|
| IECEE CB Scheme            |          | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58483_B1_M1 |
| Nominal voltage UN         | 500 V    |   |                 |
| mm <sup>2</sup> /AWG/kcmil | 0.14-1.5 |   |                 |

|   |          |   |          |
|---|----------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |          | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40034766 |
| Nominal voltage UN                      | 500 V    |   |          |
| mm <sup>2</sup> /AWG/kcmil              | 0.14-1.5 |   |          |

|     |  |                      |
|-----|--|----------------------|
| EAC |  | RU C-DE.BL08.B.00511 |
|-----|--|----------------------|

|        |  |   |            |
|--------|--|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE00003JE |
|--------|--|---|------------|

# Plug - PP-H 1,5/S/1-R RD - 3212695

## Approvals

cULus Recognized



## Accessories

### Accessories

#### Cable housing

Cable housing - PH 1,5/S/3 - 3212756



Cable housing, pitch: 10.5 mm, length: 19.9 mm, width: 10.5 mm, height: 36.8 mm, number of positions: 3, color: gray

Cable housing - PH 1,5/S/4 - 3212769



Cable housing, pitch: 14 mm, length: 19.9 mm, width: 14 mm, height: 36.8 mm, number of positions: 4, color: gray

Cable housing - PH 1,5/S/5 - 3212772



Cable housing, pitch: 17.5 mm, length: 19.9 mm, width: 17.5 mm, height: 36.8 mm, number of positions: 5, color: gray

Cable housing - PH 1,5/S/6 - 3212785



Cable housing, pitch: 21 mm, length: 19.9 mm, width: 21 mm, height: 36.8 mm, number of positions: 6, color: gray



## Plug - PP-H 1,5/S/1-R RD - 3212695

### Accessories

#### Cable housing - PH 1,5/S/7 - 3212798



Cable housing, pitch: 24.5 mm, length: 19.9 mm, width: 24.5 mm, height: 36.8 mm, number of positions: 7, color: gray

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#### Cable housing - PH 1,5/S/8 - 3212808



Cable housing, pitch: 28 mm, length: 19.9 mm, width: 28 mm, height: 36.8 mm, number of positions: 8, color: gray

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#### Cable housing - PH 1,5/S/9 - 3212811



Cable housing, pitch: 31.5 mm, length: 19.9 mm, width: 31.5 mm, height: 36.8 mm, number of positions: 9, color: gray

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#### Cable housing - PH 1,5/S/10 - 3212824



Cable housing, pitch: 35 mm, length: 19.9 mm, width: 35 mm, height: 36.8 mm, number of positions: 10, color: gray

---

#### Cable housing - PH 1,5/S/11 - 3212837



Cable housing, pitch: 38.5 mm, length: 19.9 mm, width: 38.5 mm, height: 36.8 mm, number of positions: 11, color: gray

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## Plug - PP-H 1,5/S/1-R RD - 3212695

### Accessories

Cable housing - PH 1,5/S/12 - 3212840



Cable housing, pitch: 42 mm, length: 19.9 mm, width: 42 mm, height: 36.8 mm, number of positions: 12, color: gray

---

Cable housing - PH 1,5/S/13 - 3212853



Cable housing, pitch: 45.5 mm, length: 19.9 mm, width: 45.5 mm, height: 36.8 mm, number of positions: 13, color: gray

---

Cable housing - PH 1,5/S/14 - 3212866



Cable housing, pitch: 49 mm, length: 19.9 mm, width: 49 mm, height: 36.8 mm, number of positions: 14, color: gray

---

Cable housing - PH 1,5/S/15 - 3212879



Cable housing, pitch: 52.5 mm, length: 19.9 mm, width: 52.5 mm, height: 36.8 mm, number of positions: 15, color: gray

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### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



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### Accessories

Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



## Plug - PP-H 1,5/S/1-R RD - 3212695

### Accessories

Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



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### Labeled terminal marker

Zack Marker strip, flat - ZBF 3,5 CUS - 0829394



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

---

Zack Marker strip, flat - ZBF 3,5,LGS:FORTL.ZAHLEN - 0801406



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

---

Zack Marker strip, flat - ZBF 3,5,QR:FORTL.ZAHLEN - 0801407



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

---

Marker for terminal blocks - UCT-TMF 3,5 CUS - 0829644



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

---

### Mounting material

## Plug - PP-H 1,5/S/1-R RD - 3212695

### Accessories

Latching - PR 1,5/S - 3212882



Latching, length: 28.9 mm, width: 3.3 mm, number of positions: 1, color: orange

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Latching - PR 1,5/S/2 - 3212895



Latching, length: 28.9 mm, width: 6.8 mm, number of positions: 2, color: orange

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Latching - PRZ 1,5/S - 3212905



Latching, length: 59 mm, width: 6.8 mm, color: orange

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### Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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Actuation tool - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm<sup>2</sup> spring cages from PT 1,5/S and FT 1,5/S

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### Shield connection

## Plug - PP-H 1,5/S/1-R RD - 3212695

### Accessories

Shield connection clamp - PSH 3- 6 - 3040591



Shield connection clamp, color: black

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Shield connection clamp - PSH 5-10 - 3040601



Shield connection clamp, color: black

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### Strain relief

Strain relief - PZ 1,5/S/2 - 3212918



Strain relief, length: 44.5 mm, width: 6.8 mm, number of positions: 2, color: black

---

### Terminal marking

Zack Marker strip, flat - ZBF 3,5:UNBEDRUCKT - 0829392



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

---

Marker for terminal blocks - UCT-TMF 3,5 - 0829486



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

---

### Test plug terminal block

## Plug - PP-H 1,5/S/1-R RD - 3212695

### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

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