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Ground modular terminal block, Connection method: Screw/plug-in connection, Cross section: 0.2 mm² - 10 mm², AWG: 24 - 8, Width: 8.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15



Key Commercial Data

| Packing unit | 1 STK |
|----------------------|-----------------|
| GTIN | 4 046356 605588 |
| GTIN | 4046356605588 |
| Custom tariff number | 85369010 |
| Country of origin | China |

Technical data

General

| Number of levels | 1 |
|--|-------------------|
| Number of connections | 4 |
| Potentials | 1 |
| Nominal cross section | 6 mm ² |
| Color | green-yellow |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Open side panel | Yes |



Technical data

General

| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
|---|-------------|
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

Dimensions

| Width | 8.2 mm |
|------------------|---------|
| End cover width | 2.2 mm |
| Length | 86.5 mm |
| Height NS 35/7,5 | 60 mm |
| Height NS 35/15 | 67.5 mm |

Connection data

| Note | Please observe the current carrying capacity of the DIN rails. |
|--|--|
| Connection method | Screw/plug-in connection |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 10 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 8 |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 10 mm ² |
| Min. AWG conductor cross section, flexible | 24 |
| Max. AWG conductor cross section, flexible | 8 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm² |



Technical data

Connection data

| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
|---|---------------------|
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 6 mm ² |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 2.5 mm² |
| 2 conductors with same cross section, stranded min. | 0.2 mm² |
| 2 conductors with same cross section, stranded max. | 2.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1.5 mm² |
| Stripping length | 10 mm |
| Internal cylindrical gage | A5 |
| Screw thread | M4 |
| Tightening torque, min | 1.5 Nm |
| Tightening torque max | 1.8 Nm |

Standards and Regulations

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

Environmental Product Compliance

| China RoHS | Environmentally Friendly Use Period = 50 |
|------------|---|
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Circuit diagram



Classifications

eCl@ss

| eCl@ss 4.0 | 27141118 |
|------------|----------|
| eCl@ss 4.1 | 27141118 |



Classifications

eCl@ss

| eCl@ss 5.0 | 27141118 |
|------------|----------|
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141141 |
| eCl@ss 7.0 | 27141141 |
| eCl@ss 8.0 | 27141141 |
| eCl@ss 9.0 | 27141141 |

ETIM

| ETIM 2.0 | EC000901 |
|----------|----------|
| ETIM 3.0 | EC000901 |
| ETIM 4.0 | EC000901 |
| ETIM 5.0 | EC000901 |
| ETIM 6.0 | EC000901 |

UNSPSC

| UNSPSC 6.01 | 30211811 |
|---------------|----------|
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Approvals

VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / UL Recognized / cUL Recognized / CSA / EAC / cULus Recognized

Ex Approvals

Approval details

| VDE Gutachten mit Fertigungsüberwachung | VDE | http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx | | 40034876 |
|--|-----|--|----------|----------|
| | | | | |
| mm²/AWG/kcmil | | | 0.2-10.0 | |



Approvals

| Nominal voltage UN | 1000 V |
|--------------------|--------|

| IECEE CB Scheme | CB scheme | http://www.iecee.org/ | DE1-50076 |
|--------------------|---------------------|-----------------------|-----------|
| | | | |
| mm²/AWG/kcmil | | 0.2-10.0 | |
| Nominal voltage UN | | 1000 V | |

| UL Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.h | | .ME/index.htm | FILE E 60425 | |
|---------------|---|--|---------------|--------------|--|
| | В | | С | D | |
| mm²/AWG/kcmil | 24-8 | | 24-8 | 24-8 | |

| cUL Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 6042 | | | FILE E 60425 | |
|----------------|---|--|------|--------------|--|
| | В | | С | D | |
| mm²/AWG/kcmil | 24-8 | | 24-8 | 24-8 | |

| CSA | ® | http://www.csagroup.org/services/testing- and-certification/certified-product-listing/ | 13631 |
|---------------|----------|---|-------|
| | | | |
| mm²/AWG/kcmil | | 24-8 | |

| | EAC | EAC | 7500651.22.01.00246 |
|--|-----|-----|---------------------|
|--|-----|-----|---------------------|

| cULus Recognized callus http:// | o://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|---------------------------------|--|
|---------------------------------|--|

Accessories

Accessories

Coding element



Accessories

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

DIN rail

DIN rail perforated - NS 35/7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail 35 mm (NS 35)

DIN rail - NS 35/7,5 WH UNPERF 2000MM - 1204122



DIN rail 35 mm (NS 35)



Accessories

DIN rail, unperforated - NS 35/7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

DIN rail perforated - NS 35/7,5 ZN PERF 2000MM - 1206421



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/7,5 ZN UNPERF 2000MM - 1206434



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/7,5 CU UNPERF 2000MM - 0801762



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

End cap - NS 35/7,5 CAP - 1206560

DIN rail end piece, for DIN rail NS 35/7.5





Accessories

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm



Accessories

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, unperforated, Width: 35 mm, Height: 15 mm, Length: 2000 mm, Color: silver

End block



Accessories

End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7.5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

End cover



Accessories

End cover - D-UT 6-QUATTRO/2P - 3060607



End cover, Length: 86.5 mm, Width: 2.2 mm, Height: 52.4 mm, Color: gray

Flange

Screw flange - UT 6-QUATTRO/2P-F - 3060843



Screw flange, Connection method: Screw connection, Width: 8.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Jumper

Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 14.7 mm, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-8 - 3030297



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 22.9 mm, Number of positions: 3, Color: red

Plug-in bridge - FBS 4-8 - 3030307



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 31.1 mm, Number of positions: 4, Color: red



Accessories

Plug-in bridge - FBS 5-8 - 3030310



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 39.3 mm, Number of positions: 5, Color: red

Plug-in bridge - FBS 6-8 - 3032470



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 47.5 mm, Number of positions: 6, Color: red

Plug-in bridge - FBS 10-8 - 3030323



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 80.3 mm, Number of positions: 10, Color: red

Plug-in bridge - FBSR 2-8 - 3033808



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 2, Color: red

Plug-in bridge - FBSR 3-8 - 3001597



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 3, Color: red



Accessories

Plug-in bridge - FBSR 4-8 - 3000585



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 4, Color: red

Plug-in bridge - FBSR 5-8 - 3033809



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 5, Color: red

Plug-in bridge - FBSR 10-8 - 3001599



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 10, Color: red

Plug-in bridge - FBS 2-8 CT - 3033830



Plug-in bridge, Pitch: 8.2 mm, Length: 29.6 mm, Width: 14.7 mm, Number of positions: 2, Color: orange

Plug-in bridge - FBS 3-8 CT - 3033831



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 3, Color: orange



Accessories

Plug-in bridge - FBS 4-8 CT - 3033832



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 4, Color: orange

Plug-in bridge - FBS 10-8 CT - 3033833



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 10, Color: orange

Labeled terminal marker

Zack marker strip - ZB 8 CUS - 0825011



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

Marker for terminal blocks - UC-TM 8 CUS - 0824597



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 8 CUS - 0829616



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm



Accessories

Zack marker strip - ZB 8,LGS:FORTL.ZAHLEN - 1052015



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

Zack marker strip - ZB 8,QR:FORTL.ZAHLEN - 1052028



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

Marker for terminal blocks - ZB 8,LGS:L1-N,PE - 1052413



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

Zack Marker strip, flat - ZBF 8 CUS - 0825030



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: 8 mm, Lettering field: 5.15 x 8.15 mm

Zack Marker strip, flat - ZBF 8,LGS:FORTL.ZAHLEN - 0808804



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 101 - 110, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm



Accessories

Marker for terminal blocks - UC-TMF 8 CUS - 0824654



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: 8.2 mm, Lettering field: 7.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 8 CUS - 0829672



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: 8.2 mm, Lettering field: 7.4 x 4.7 mm

Partition plate

Partition plate - ATP-QTTCB - 3206238



Partition plate, Length: 102 mm, Width: 2 mm, Height: 54 mm, Color: gray

Spacer plate - DP PS-8 - 3036741



Spacer plate, Length: 22.4 mm, Width: 8.2 mm, Height: 29 mm, Number of positions: 1, Color: red

Reducing bridge

Reducing bridge - RB UT 6-ST(2,5/4) - 3047264



Reducing bridge, Pitch: 9.5 mm, Number of positions: 2, Color: red



Accessories

Reducing bridge - RB UT 6-(2,5/4) - 3047251



Reducing bridge, Pitch: 9.5 mm, Number of positions: 2, Color: red

Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - SF-SL 0,8X4,0-100 S-VDE - 1212588



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Short-circuit connector

Short-circuit connector - FBSRH 2-8 - 3033802



Short-circuit connector, Pitch: 8.2 mm, Number of positions: 2, Color: red



Accessories

Short-circuit connector - FBSRH 3-8 - 3033803



Short-circuit connector, Pitch: 8.2 mm, Number of positions: 3, Color: red

Short-circuit connector - FBSRH 4-8 - 3033804



Short-circuit connector, Pitch: 8.2 mm, Number of positions: 4, Color: red

Terminal marking

Zack marker strip - ZB 8:UNBEDRUCKT - 1052002



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 10.5 x 8.15 mm

Marker for terminal blocks - UC-TM 8 - 0818072



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm

Marker for terminal blocks - UCT-TM 8 - 0828740



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 10.5 mm



Accessories

Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

Marker for terminal blocks - UC-TMF 8 - 0818137



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 8 - 0828748



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 8.2 mm, Lettering field: 7.4 x 4.7 mm

Test plug terminal block

Test plugs - PS-8 - 3031005



Test plugs, Color: red

Test plugs - PS-8/2,3MM RD - 3048564



Test plugs, Color: red



Accessories

Test socket

Test adapter - PAI-4-FIX BU - 3032729



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX OG - 3034455



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX YE - 3032745



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX RD - 3032732



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX GN - 3032758



4 mm test adapter, for terminal blocks with 8.2 mm pitch



Accessories

Test adapter - PAI-4-FIX BK - 3032774



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX GY - 3032790



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX VT - 3032761



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX BN - 3032787



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Test adapter - PAI-4-FIX WH - 3032797



4 mm test adapter, for terminal blocks with 8.2 mm pitch



Accessories

Test adapter - PAIS-4-FIX GY - 3032791



Test adapter, Color: gray

Test adapter - PAIS-4-FIX BK - 3032792



Test adapter, Color: black

Test adapter - PAIS-4-FIX RD - 3032793



Test adapter, Color: red

Test adapter - PAIS-4-FIX BU - 3032798



Test adapter, Color: blue

Test adapter - PAIS-4-FIX YE - 3032799



Test adapter, Color: yellow



Accessories

Test adapter - PAIS-4-FIX GN - 3032801



Test adapter, Color: green

Test adapter - PAIS-4-FIX VT - 3032802



Test adapter, Color: violet

Test adapter - PAI-4-N GY - 3032871



4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

Warning label printed

Warning label - WS UT 6 - 3047345



Warning sign for UT terminal blocks

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