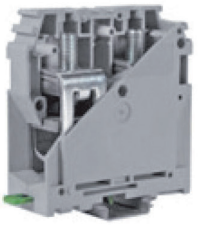
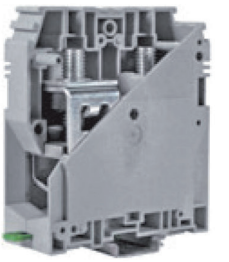
Automation Systems Interconnect, Inc

Innovative Interconnect and Interface Solutions

# GPA Series Power Terminal Blocks

## with UL94V-0 polyamide insulating body

- mounting onto both PR/DIN and PR/3 type rails - according to IEC 60715 Std.,"G32" and "TH/35" types
- panel mount version available - M6 screw (screw with groove for screwdriver and washer recommended)
- possibility to obtain compactness of the resulting rail assembly by means of an M3 threaded rod
- possibility to perform parallel cross-connections
- available in beige RAL 1001 colour

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|---|---|---|---|
| **grey version** | | **GPA.150/GR** Cat. No. **GA200GR** | **GPA.240/GR** Cat. No. **GA300GR** |
| **beige version** | | **GPA.150** Cat. No. **GA200** | **GPA.240** Cat. No. **GA300** |
| **grey panel-mount version** | | **GPA.150/FIX/GR** Cat. No. **GF200GR** | **GPA.240/FIX/GR** Cat. No. **GF300GR** |
| **beige panel-mount version** | | **GPA.150/FIX** Cat. No. **GF200** | **GPA.240/FIX** Cat. No. **GF300** |
| **TECHNICAL CHARACTERISTICS** | | | |
| function / type | | feed-through | feed-through |
| rated cross-section | (mm²) | 150 | 240 |
| connecting capacity | | | |
| flexible | (mm²) | 50 ÷ 150 | 95 ÷ 240 |
| rigid | (mm²) | 50 ÷ 185 | 50 ÷ 300 |
| bars and/or cable lugs | | - | - |
| rated voltage / rated current / gauge | conf. to IEC 60947-7-1 | 1000 V / 309 A / B14 | 1000 V / 415 A / B16 |
| rated voltage / rated current / AWG / tightening torque value | UL | 1000 V / 309 A / 1/0 AWG str ÷ 350 MCM str. / 142 lb.in | 1000 V / 415 A / 3/0 AWG str. ÷ 600 MCM str. / 300 lb.in. |
| rated impulse withstand voltage / pollution degree | | 12 KV / 3 | 12 KV / 3 |
| insulation stripping length | (mm) | 35 | 40 |
| tightening torque value - bar (test / recommended) | (Nm) | - | - |
| tightening torque value - cable (test / recommended) | (Nm) | 10 / 15 (Allen screw, 5 mm wrench) | 14 / 21 (Allen screw, 6 mm wrench) |
| height / width / thickness | TH/35 7,5 mm | 99 / 108 / 31 | 120 / 119 / 37 |
| height / width / thickness | TH/35 15 mm | 106 / 108 / 31 | 128 / 119 / 37 |
| height / width / thickness | G32 | 103 / 108 / 31 | 124 / 119 / 37 |
| height / width (fixing distance between centres) / thickness (panel mount) | | 94 / 122 (106) / 31 | 115 / 134 (118) / 37 |
| **APPROVALS** | | c UL us, KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1, UL BR | c UL us, KEMA KEUR, Terna LV 27/1, Enel Distribuzione DV 27/1, UL BR |
| **ACCESSORIES** | | **Type** / **Cat. No.** | **Type** / **Cat. No.** |
| End sections | grey<br>beige | - | - |
| Permanent cross connection | | -<br>-<br>- | -<br>-<br>- |
| Rated current carrying capacity of jumper | (A) | - | - |
| Multiple common bar | 250 mm | - | - |
| Shunting screw and sleeve | | - | - |
| Coloured partition | red, green, white | - | - |
| Cross connection barrier | red | - | - |
| Test plug socket | | - | - |
| Test plug | | - | - |
| Numbering strip | | - | - |
| Cover for cross-connection | | - | - |
| Mounting rail support | flat for PR/DIN and PR/3<br>sloped for PR/DIN and PR/3 | **ACI121213** Z121213<br>**ACI121024** Z121024 | **ACI121213** Z121213<br>**ACI121024** Z121024 |
| Marking tag | printed or blank | **CNU/8/51** NU0851<br>- | **CNU/8/51** NU0851<br>- |
| End bracket | | **BTU** for PR/DIN and PR/3 BT005<br>**CDA/BT** for PR/DIN only CD003<br>**BT/3-BTO** for PR/3 only BT003-BT007 | **BTU** for PR/DIN and PR/3 BT005<br>**CDA/BT** for PR/DIN only CD003<br>**BT/3-BTO** for PR/3 only BT003-BT007 |
| Mounting rail according to IEC 60715 Std. | | **PR/DIN/AC** of steel PR001<br>**PR/DIN/AS** same with slots PR004<br>**PR/DIN/AL** of aluminium PR002 | **PR/DIN/AC** of steel PR001<br>**PR/DIN/AS** same with slots PR004<br>**PR/DIN/AL** of aluminium PR002 |
| | | **PR/3/AC** of steel PR003<br>**PR/3/AS** same with slots PR005 | **PR/3/AC** of steel PR003<br>**PR/3/AS** same with slots PR005 |