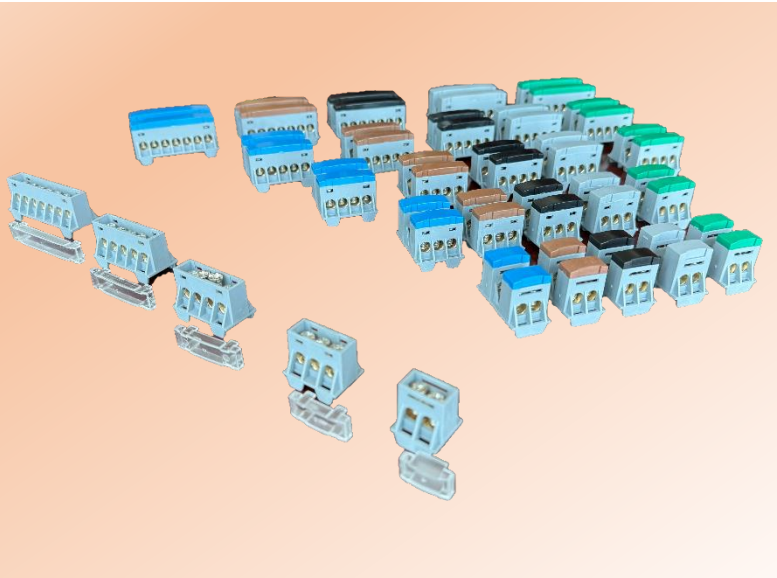


# AST16 distribution block (suitable for TS15-rail)

## Data Sheet V1.0



The AST16 series distribution blocks are engineered for reliable power distribution in residential, commercial, and industrial installations. Designed for direct mounting on TS15 DIN-rails, they combine proven screw connection technology with a robust PA66 housing for long-term performance and durability.

With a wide conductor range from 1.5 to 16 mm<sup>2</sup> and a rated current up to 63 A, the AST16 offers secure and maintenance-friendly connections. Available in multiple colors and versions with 2 to 7 connections, the series ensures flexible phase distribution and clear circuit identification.

AST16 – distribution block

The AST series is compliant to product standard IEC/EN 60947-7-1 and EN 60998 with the following main technical features

- Screw type (nickel plated)
- Suitable for NS15 (TS15) DIN-rail
- Housing PA66
- 2,3,4,5 and 7 connections available
- Flammability class V0 (UL94)
- Range from 1.5 – 16 mm<sup>2</sup>

### Application benefits

- Proven screw connection technology for safe and long-lasting connections
- Wide conductor range; suitable for wire cross-sections from 1.5 - 16mm<sup>2</sup> solid
- Available colors; brown, black, grey, blue, green and in transparent for clear circuit identification
- Complies with national and international standards for universal application.

CE

RoHS

AST16 distribution block

AST16-2

2

Distribution block for TS15

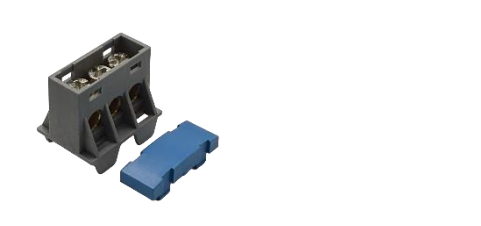


IEC 60947-7-1 | EN 60998-2-1  
CE, RoHS

AST16-3

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Distribution block for TS15



IEC 60947-7-1 | EN 60998-2-1  
CE, RoHS

Technical Data

| Electrical data                        |                 |
|----------------------------------------|-----------------|
| Rated voltage                          | Un              |
| Rated current                          | In              |
| Insulation voltage                     | Ui              |
| Overvoltage category                   |                 |
| Pollution degree                       |                 |
| Connection data                        |                 |
| Potentials                             |                 |
| Connections                            |                 |
| Screw thread                           |                 |
| Type of mounting                       |                 |
| Clamped conductors                     |                 |
| Cross section solid                    | mm <sup>2</sup> |
| Cross section flexible without ferrule | mm <sup>2</sup> |
| Cross section flexible with ferrule    | mm <sup>2</sup> |
| Torque                                 | Nm              |
| Strip length                           | mm              |
| Material data                          |                 |
| Screw                                  |                 |
| Pressure Frame / conductor             |                 |
| Housing                                |                 |
| Flammability class                     | UL94            |
| Needle flame test                      |                 |
| Environmental data                     |                 |
| Operational temperature                | °C              |
| Operational humidity                   | %               |
| Storage temperature                    | °C              |
| Storage humidity                       | %               |
| Dimensions                             |                 |
| Width                                  | mm              |
| Height                                 | mm              |
| Depth                                  | mm              |
| Weight                                 | gram            |

|                   |
|-------------------|
| 500V              |
| 63A               |
| 690V              |
| III               |
| 3                 |
| 1                 |
| 2                 |
| M5                |
| NS 15 (TS15)      |
| 1,5 ... 16        |
| 1,5 ... 10        |
| 1,5 ... 10        |
| 2Nm               |
| 7                 |
| M5, Nickel plated |
| Brass             |
| PA66              |
| V0                |
| Pass              |
| -40 ... 40        |
| 20 ... 90         |
| -25 ... 85        |
| 30 ... 70         |
| 18,5              |
| 18                |
| 27,5              |
| 10,42             |

|                   |
|-------------------|
| 500V              |
| 63A               |
| 690V              |
| III               |
| 3                 |
| 1                 |
| 3                 |
| M5                |
| NS 15 (TS15)      |
| 1,5 ... 16        |
| 1,5 ... 10        |
| 1,5 ... 10        |
| 2Nm               |
| 7                 |
| M5, Nickel plated |
| Brass             |
| PA66              |
| V0                |
| Pass              |
| -40 ... 40        |
| 20 ... 90         |
| -25 ... 85        |
| 30 ... 70         |
| 25,5              |
| 18                |
| 27,5              |
| 14,36             |

Ordering data

| Version         |
|-----------------|
| ● RAL7046 Grey  |
| ● RAL5015 Blue  |
| ● RAL8003 Brown |
| ● RAL9005 Black |
| ● RAL6029 Green |
| Transparent     |

| Type     | Qty    | Order no.  |
|----------|--------|------------|
| AST16-21 | 10/360 | 2119600201 |
| AST16-22 | 10/360 | 2119600202 |
| AST16-24 | 10/360 | 2119600204 |
| AST16-25 | 10/360 | 2119600205 |
| AST16-26 | 10/360 | 2119600206 |
| AST16-27 | 10/360 | 2119600207 |

| Type     | Qty    | Order no.  |
|----------|--------|------------|
| AST16-31 | 10/360 | 2119600301 |
| AST16-32 | 10/360 | 2119600302 |
| AST16-34 | 10/360 | 2119600304 |
| AST16-35 | 10/360 | 2119600305 |
| AST16-36 | 10/360 | 2119600306 |
| AST16-37 | 10/360 | 2119600307 |

AST16 distribution block

AST16-4

Distribution block for TS15

4



AST16-5

Distribution block for TS15

5



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Approvals

IEC 60947-7-1 | EN 60998-2-1  
CE, RoHS

IEC 60947-7-1 | EN 60998-2-1  
CE, RoHS

Technical Data

| Electrical data                        |                 |
|----------------------------------------|-----------------|
| Rated voltage                          | Un              |
| Rated current                          | In              |
| Insulation voltage                     | Ui              |
| Overtoltage category                   |                 |
| Pollution degree                       |                 |
| Connection data                        |                 |
| Potentials                             |                 |
| Connections                            |                 |
| Screw thread                           |                 |
| Type of mounting                       |                 |
| Clamped conductors                     |                 |
| Cross section solid                    | mm <sup>2</sup> |
| Cross section flexible without ferrule | mm <sup>2</sup> |
| Cross section flexible with ferrule    | mm <sup>2</sup> |
| Torque                                 | Nm              |
| Strip length                           | mm              |
| Material data                          |                 |
| Screw                                  |                 |
| Pressure Frame / conductor             |                 |
| Housing                                |                 |
| Flammability class                     | UL94            |
| Needle flame test                      |                 |
| Environmental data                     |                 |
| Operational temperature                | °C              |
| Operational humidity                   | %               |
| Storage temperature                    | °C              |
| Storage humidity                       | %               |
| Dimensions                             |                 |
| Width                                  | mm              |
| Height                                 | mm              |
| Depth                                  | mm              |
| Weight                                 | Gram            |

|                   |
|-------------------|
| 500V              |
| 63A               |
| 690V              |
| III               |
| 3                 |
| 1                 |
| 4                 |
| M5                |
| NS 15 (TS15)      |
| 1,5 ... 16        |
| 1,5 ... 10        |
| 1,5 ... 10        |
| 2Nm               |
| 7                 |
| M5, Nickel plated |
| Brass             |
| PA66              |
| V0                |
| Pass              |
| -40 ... 40        |
| 20 ... 90         |
| -25 ... 85        |
| 30 ... 70         |
| 32,5              |
| 18                |
| 27,5              |
| 18,63             |

|                   |
|-------------------|
| 500V              |
| 63A               |
| 690V              |
| III               |
| 3                 |
| 1                 |
| 5                 |
| M5                |
| NS 15 (TS15)      |
| 1,5 ... 16        |
| 1,5 ... 10        |
| 1,5 ... 10        |
| 2Nm               |
| 7                 |
| M5, Nickel plated |
| Brass             |
| PA66              |
| V0                |
| Pass              |
| -40 ... 40        |
| 20 ... 90         |
| -25 ... 85        |
| 30 ... 70         |
| 39,5              |
| 18                |
| 27,5              |
| 23,00             |

Ordering data

| Version         |
|-----------------|
| ● RAL7046 Grey  |
| ● RAL5015 Blue  |
| ● RAL8003 Brown |
| ● RAL9005 Black |
| ● RAL6029 Green |
| Transparent     |

| Type     | Qty    | Order no.  |
|----------|--------|------------|
| AST16-41 | 10/360 | 2119600001 |
| AST16-42 | 10/360 | 2119600002 |
| AST16-44 | 10/360 | 2119600004 |
| AST16-45 | 10/360 | 2119600005 |
| AST16-46 | 10/360 | 2119600006 |
| AST16-47 | 10/360 | 2119600007 |

| Type     | Qty    | Order no.  |
|----------|--------|------------|
| AST16-51 | 10/360 | 2119600501 |
| AST16-52 | 10/360 | 2119600502 |
| AST16-54 | 10/360 | 2119600504 |
| AST16-55 | 10/360 | 2119600505 |
| AST16-56 | 10/360 | 2119600506 |
| AST16-57 | 10/360 | 2119600507 |

AST16 distribution block

AST16-7

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Distribution block for TS15



|           |                              |
|-----------|------------------------------|
| Conform   | IEC 60947-7-1   EN 60998-2-1 |
| Approvals | CE, RoHS                     |

Technical Data

| Electrical data                        |      |                   |
|----------------------------------------|------|-------------------|
| Rated voltage                          | Un   | 500V              |
| Rated current                          | In   | 63A               |
| Insulation voltage                     | Ui   | 690V              |
| Overvoltage category                   |      | III               |
| Pollution degree                       |      | 3                 |
| Connection data                        |      |                   |
| Potentials                             |      | 1                 |
| Connections                            |      | 7                 |
| Screw thread                           |      | M5                |
| Type of mounting                       |      | NS 15 (TS15)      |
| Clamped conductors                     |      |                   |
| Cross section solid                    | mm²  | 1,5 ... 16        |
| Cross section flexible without ferrule | mm²  | 1,5 ... 10        |
| Cross section flexible with ferrule    | mm²  | 1,5 ... 10        |
| Torque                                 | Nm   | 2Nm               |
| Strip length                           | mm   | 7                 |
| Material data                          |      |                   |
| Screw                                  |      | M5, Nickel plated |
| Pressure Frame / conductor             |      | Brass             |
| Housing                                |      | PA66              |
| Flammability class                     | UL94 | V0                |
| Needle flame test                      |      | Pass              |
| Environmental data                     |      |                   |
| Operational temperature                | °C   | -40 ... 40        |
| Operational humidity                   | %    | 20 ... 90         |
| Storage temperature                    | °C   | -25 ... 85        |
| Storage humidity                       | %    | 30 ... 70         |
| Dimensions                             |      |                   |
| Width                                  | mm   | 53,5              |
| Height                                 | mm   | 18                |
| Depth                                  | mm   | 27,5              |
| Weight                                 | gram | 31,78             |

Ordering data

| Version         | Type     | Qty    | Order no.  |
|-----------------|----------|--------|------------|
| ● RAL7046 Grey  | AST16-71 | 10/360 | 2119600701 |
| ● RAL5015 Blue  | AST16-72 | 10/360 | 2119600702 |
| ● RAL8003 Brown | AST16-74 | 10/360 | 2119600704 |
| ● RAL9005 Black | AST16-75 | 10/360 | 2119600705 |
| ● RAL6029 Green | AST16-76 | 10/360 | 2119600706 |
| Transparent     | AST16-77 | 10/360 | 2119600707 |

AST16 distribution block

AST16-434

Distribution block for TS15



Conform  
Approvals

IEC 60947-7-1 | EN 60998-2-1  
CE, RoHS

Technical Data

| Electrical data                        |      |
|----------------------------------------|------|
| Rated voltage                          | Un   |
| Rated current                          | In   |
| Insulation voltage                     | Ui   |
| Overvoltage category                   |      |
| Pollution degree                       |      |
| Connection data                        |      |
| Potentials                             |      |
| Connections                            |      |
| Screw thread                           |      |
| Type of mounting                       |      |
| Clamped conductors                     |      |
| Cross section solid                    | mm²  |
| Cross section flexible without ferrule | mm²  |
| Cross section flexible with ferrule    | mm²  |
| Torque                                 | Nm   |
| Strip length                           | mm   |
| Material data                          |      |
| Screw                                  |      |
| Pressure Frame / conductor             |      |
| Housing                                |      |
| Flammability class                     | UL94 |
| Needle flame test                      |      |
| Environmental data                     |      |
| Operational temperature                | °C   |
| Operational humidity                   | %    |
| Storage temperature                    |      |
| Storage humidity                       | %    |
| Dimensions                             |      |
| Width                                  | mm   |
| Height                                 | mm   |
| Depth                                  | mm   |
| Weight                                 | gram |

|                   |
|-------------------|
| 500V              |
| 63A               |
| 690V              |
| III               |
| 3                 |
| 1                 |
| 4                 |
| M5                |
| NS 15 (TS15)      |
| 1,5 ... 16        |
| 1,5 ... 10        |
| 1,5 ... 10        |
| 2Nm               |
| 7                 |
| M5, Nickel plated |
| Brass             |
| PA66              |
| V0                |
| Pass              |
| -40 ... 40        |
| 20 ... 90         |
| -25 ... 85        |
| 30 ... 70         |
| 53.5              |
| 18                |
| 27,5              |
| 18,63             |

Ordering data

| Version          |
|------------------|
| ●/● Yellow/Green |

| Type     | Qty    | Order no.  |
|----------|--------|------------|
| AST16-43 | 10/360 | 2119600003 |

| Packing information |           |               |               |      |           |           |               |      |             |           |                   |                  |
|---------------------|-----------|---------------|---------------|------|-----------|-----------|---------------|------|-------------|-----------|-------------------|------------------|
| Order code          | Reference | GTIN          | Inner packing |      |           |           | Outer packing |      |             |           | Country of Origin | Custom Tarif no. |
|                     |           |               | QTY           | Type | Size (mm) | Weight/kg | QTY           | Type | Size (cm)   | Weight/kg |                   |                  |
| 2119600001          | AST16-41  | 8718959017483 | 10            | CT   | 100*85*50 | 0,21      | 360           | CT   | 550*335*125 | 8,5       | CN                | 85369010         |
| 2119600002          | AST16-42  | 8718959017490 | 10            | CT   | 100*85*50 | 0,21      | 360           | CT   | 550*335*125 | 8,5       | CN                | 85369010         |
| 2119600003          | AST16-43  | 8718959017506 | 10            | CT   | 100*85*50 | 0,21      | 360           | CT   | 550*335*125 | 8,5       | CN                | 85369010         |
| 2119600004          | AST16-44  | 8718959076565 | 10            | CT   | 100*85*50 | 0,21      | 360           | CT   | 550*335*125 | 8,5       | CN                | 85369010         |
| 2119600005          | AST16-45  | 8718959076572 | 10            | CT   | 100*85*50 | 0,21      | 360           | CT   | 550*335*125 | 8,5       | CN                | 85369010         |
| 2119600006          | AST16-46  | 8718959076589 | 10            | CT   | 100*85*50 | 0,21      | 360           | CT   | 550*335*125 | 8,5       | CN                | 85369010         |
| 2119600007          | AST16-47  | 8718959076596 | 10            | CT   | 100*85*50 | 0,21      | 360           | CT   | 550*335*125 | 8,5       | CN                | 85369010         |
| 2119600201          | AST16-21  | 8718959076602 | 10            | CT   | 100*85*50 | 0,13      | 360           | CT   | 550*335*125 | 5,6       | CN                | 85369010         |
| 2119600202          | AST16-22  | 8718959076619 | 10            | CT   | 100*85*50 | 0,13      | 360           | CT   | 550*335*125 | 5,6       | CN                | 85369010         |
| 2119600204          | AST16-24  | 8718959076626 | 10            | CT   | 100*85*50 | 0,13      | 360           | CT   | 550*335*125 | 5,6       | CN                | 85369010         |
| 2119600205          | AST16-25  | 8718959076633 | 10            | CT   | 100*85*50 | 0,13      | 360           | CT   | 550*335*125 | 5,6       | CN                | 85369010         |
| 2119600206          | AST16-26  | 8718959076640 | 10            | CT   | 100*85*50 | 0,13      | 360           | CT   | 550*335*125 | 5,6       | CN                | 85369010         |
| 2119600207          | AST16-27  | 8718959076657 | 10            | CT   | 100*85*50 | 0,13      | 360           | CT   | 550*335*125 | 5,6       | CN                | 85369010         |
| 2119600301          | AST16-31  | 8718959076664 | 10            | CT   | 100*85*50 | 0,17      | 360           | CT   | 550*335*125 | 7,1       | CN                | 85369010         |
| 2119600302          | AST16-32  | 8718959076671 | 10            | CT   | 100*85*50 | 0,17      | 360           | CT   | 550*335*125 | 7,1       | CN                | 85369010         |
| 2119600304          | AST16-34  | 8718959076688 | 10            | CT   | 100*85*50 | 0,17      | 360           | CT   | 550*335*125 | 7,1       | CN                | 85369010         |
| 2119600305          | AST16-35  | 8718959076695 | 10            | CT   | 100*85*50 | 0,17      | 360           | CT   | 550*335*125 | 7,1       | CN                | 85369010         |
| 2119600306          | AST16-36  | 8718959076701 | 10            | CT   | 100*85*50 | 0,17      | 360           | CT   | 550*335*125 | 7,1       | CN                | 85369010         |
| 2119600307          | AST16-37  | 8718959076718 | 10            | CT   | 100*85*50 | 0,17      | 360           | CT   | 550*335*125 | 7,1       | CN                | 85369010         |
| 2119600501          | AST16-51  | 8718959076725 | 10            | CT   | 100*85*50 | 0,26      | 360           | CT   | 550*335*125 | 10,4      | CN                | 85369010         |
| 2119600502          | AST16-52  | 8718959076732 | 10            | CT   | 100*85*50 | 0,26      | 360           | CT   | 550*335*125 | 10,4      | CN                | 85369010         |
| 2119600504          | AST16-54  | 8718959076749 | 10            | CT   | 100*85*50 | 0,26      | 360           | CT   | 550*335*125 | 10,4      | CN                | 85369010         |
| 2119600505          | AST16-55  | 8718959076756 | 10            | CT   | 100*85*50 | 0,26      | 360           | CT   | 550*335*125 | 10,4      | CN                | 85369010         |
| 2119600506          | AST16-56  | 8718959076763 | 10            | CT   | 100*85*50 | 0,26      | 360           | CT   | 550*335*125 | 10,4      | CN                | 85369010         |
| 2119600507          | AST16-57  | 8718959076770 | 10            | CT   | 100*85*50 | 0,26      | 360           | CT   | 550*335*125 | 10,4      | CN                | 85369010         |
| 2119600701          | AST16-71  | 8718959076787 | 10            | CT   | 100*85*50 | 0,35      | 360           | CT   | 550*335*125 | 13,6      | CN                | 85369010         |
| 2119600702          | AST16-72  | 8718959076794 | 10            | CT   | 100*85*50 | 0,35      | 360           | CT   | 550*335*125 | 13,6      | CN                | 85369010         |
| 2119600704          | AST16-74  | 8718959076800 | 10            | CT   | 100*85*50 | 0,35      | 360           | CT   | 550*335*125 | 13,6      | CN                | 85369010         |
| 2119600705          | AST16-75  | 8718959076817 | 10            | CT   | 100*85*50 | 0,35      | 360           | CT   | 550*335*125 | 13,6      | CN                | 85369010         |
| 2119600706          | AST16-76  | 8718959076824 | 10            | CT   | 100*85*50 | 0,35      | 360           | CT   | 550*335*125 | 13,6      | CN                | 85369010         |
| 2119600707          | AST16-77  | 8718959076831 | 10            | CT   | 100*85*50 | 0,35      | 360           | CT   | 550*335*125 | 13,6      | CN                | 85369010         |