

Distribution Blocks









The 'U' Series DISBL compact distribution blocks are ideal for simplified distribution system. Polyamide 6.6 assembly is suitable for universal mounting. Lug/bolt connection at the centre for incoming cable and screw clamp connections for the outgoing monobloc conductors provide easy to connect points and ensure perfect continuity for distribution. A protective shield at centre effectively shrouds incoming connection.



Important:

- Sum of outgoing currents on either side of centre should not exceed half the maximum permissible incoming current.
- Sum of total outgoing currents should not exceed maximum permissible incoming current.
- Connection for higher outgoing currents should be done through the terminal nearer to incoming connection at centre.

DISBL4(1) compact distribution blocks are recommended for application where input connection point is located at one end instead of centre.

| | | DISBL4 | | | DISBL4(1) | | | |
|--|---|---|---|---|---|--------------------------------------|---|----------------|
| Terminal Pitch | | 6 mm | | | 6 mm | | | |
| Stripping Length | | 9 mm | | | 9 mm | | | |
| Connection Possibility (Stranded Wire/Solid Wire) | Input Output | 1.5 to 16 sq.mm 0.5 to 4 sq.mm / 0.5 to 6 sq.mm | | | 1.5 to 16 sq.mm 0.5 to 4 sq.mm / 0.5 to 6 sq.mm | | | |
| Insulation Material | | Polyamide 6.6 | | | Polyamide 6.6 | | | |
| Type of Connection | Input *Output | 1 screw flat connection for ring lugs (Nut Driver operated) screw clamp connection (Screw Driver Operated) | | | 1 screw flat connection for ring lugs (Nut Driver operated) screw clamp connection (Screw Driver Operated) | | | |
| Approvals | |  |  |  |  | CSA Standard |  | UL Standard |
| Rated Cross Section | Input Output | 10-8 AWG 22-12 AWG | 6-16 sq.mm 0.5-4 sq.mm | 10-8 AWG 22-12 AWG | 10-8 AWG 22-12 AWG | 6-16 sq.mm 0.5-4 sq.mm | 10-8 AWG 22-12 AWG | |
| Voltage Rating | | 600 V | 750 V | 600 V | 600 V | 750 V | 600 V | |
| Current Rating | Input Output (on either sides) | 50 A 25 A | 32 A | 50 A 35 A | 50 A 25 A | 32 A | 50 A 35 A | |
| Torque | Input Output | 26 lb-in 7 lb-in | 2.0 Nm 0.5 Nm | 26 lb-in 7 lb-in | 26 lb-in 7 lb-in | 2.0 Nm 0.5 Nm | 26 lb-in 7 lb-in | |
| | | Type Cat No. | Std. Packing in Nos. | Wt Per unit in Grams | Type Cat No. | Std. Packing in Nos. | Wt Per unit in Grams | |
| Terminal Station | | DISBL4/1 DISBL4/2 DISBL4/3 DISBL4/4 DISBL4/5 | 10 10 10 10 10 | 46 60 74 90 104 | DISBL4/2(1) DISBL4/3(1) DISBL4/4(1) DISBL4/5(1) DISBL4/6(1) DISBL4/10(1) DISBL4/11(1) | 10 10 10 10 10 5 5 | 53 60 68 75 83 113 118 | |
| Mounting Rail |  | DIN 32G DIN 35U DIN 35-15D | 50 M 50 M 50 M | 750 360 700 | DIN 32G DIN 35U DIN 35-15D | 50 M 50 M 50 M | 750 360 700 | |
| End Clamp |  | ES1S ES2S ES3S ES2N ES3N | 50 50 50 50 50 | 15.3 15.1 7.0 7.4 4.5 | ES1S ES2S ES3S ES2N ES3N | 50 50 50 50 50 | 15.3 15.1 7.0 7.4 4.5 | |
| Marking Tags (K Type) |  | KM/6 | 100 | 0.1 | KM/6 | 100 | 0.1 | |

* Possible output configurations are mentioned below the Distribution Block details.

| Type | H x W x T | No. of Output | Type | H x W x T | No. of Output |
|-----------|-------------------|---------------|---------------|------------------|---------------|
| *DISBL4/1 | 45 x 43 x 43.8 mm | 4 | *DISBL4/2(1) | 45 x 43 x 52 mm | 4 |
| *DISBL4/2 | 45 x 43 x 55.8 mm | 8 | *DISBL4/3(1) | 45 x 43 x 58 mm | 6 |
| *DISBL4/3 | 45 x 43 x 67.8 mm | 12 | *DISBL4/4(1) | 45 x 43 x 64 mm | 8 |
| *DISBL4/4 | 45 x 43 x 80 mm | 16 | *DISBL4/5(1) | 45 x 43 x 70 mm | 10 |
| *DISBL4/5 | 45 x 43 x 96 mm | 20 | *DISBL4/6(1) | 45 x 43 x 76 mm | 12 |
| | | | *DISBL4/10(1) | 45 x 43 x 100 mm | 20 |
| | | | *DISBL4/11(1) | 45 x 43 x 106 mm | 22 |

DISBL6



DISBL10



8 mm

12 mm

6 to 25 sq.mm
1.5 to 6 sq.mm / 1.5 to 10 sq.mm

Polyamide 6.6

1 screw flat connection for ring lugs
(Nut Driver operated)
screw clamp connection
(Screw Driver Operated)



| | | |
|----------------------|---------------------------|----------------------|
| 10-6 AWG 22-8 AWG | 6-25 sq.mm 1.5-6 sq.mm | 10-2 AWG 22-8 AWG |
|----------------------|---------------------------|----------------------|

| | | |
|-------|-------|-------|
| 600 V | 750 V | 600 V |
|-------|-------|-------|

| | | |
|--------------|------|---------------|
| 95 A 50 A | 41 A | 100 A 50 A |
|--------------|------|---------------|

| | | |
|---------------------|----------------|----------------------|
| 25 lb-in 9 lb-in | 3 Nm 0.8 Nm | 35 lb-in 14 lb-in |
|---------------------|----------------|----------------------|

| Type Cat No. | Std. Packing in Nos. | Wt Per unit in Grams |
|-----------------|-------------------------|-------------------------|
| DISBL6/2 | 10 | 91 |
| DISBL6/3 | 10 | 117 |
| DISBL6/4 | 10 | 145 |

| | | |
|------------|------|-----|
| DIN 32G | 50 M | 750 |
| DIN 35U | 50 M | 360 |
| DIN 35-15D | 50 M | 700 |

| | | |
|------|----|------|
| ES1S | 50 | 15.3 |
| ES2S | 50 | 15.1 |
| ES3S | 50 | 7.0 |
| ES2N | 50 | 7.4 |
| ES3N | 50 | 4.5 |

| | | |
|------|-----|------|
| KM/8 | 100 | 0.11 |
|------|-----|------|

| Type | H x W x T | No. of Output |
|-----------|-----------------|---------------|
| *DISBL6/2 | 43 x 48 x 64 mm | 8 |
| *DISBL6/3 | 43 x 48 x 80 mm | 12 |
| *DISBL6/4 | 43 x 48 x 96 mm | 16 |

10 mm

12 mm

10 to 35 sq.mm
1.5 to 10 sq.mm / 1.5 to 16 sq.mm

Polyamide 6.6

1 screw flat connection for ring lugs
(Nut Driver operated)
screw clamp connection
(Screw Driver Operated)



| | | |
|---------------------|-----------------------------|-----------------------|
| 7-2 AWG 15-7 AWG | 10-35 sq.mm 1.5-10 sq.mm | 8-1/0 AWG 16-6 AWG |
|---------------------|-----------------------------|-----------------------|

| | | |
|-------|-------|-------|
| 600 V | 750 V | 600 V |
|-------|-------|-------|

| | | |
|---------------|------|---------------|
| 125 A 65 A | 57 A | 130 A 65 A |
|---------------|------|---------------|

| | | |
|----------------------|----------------|----------------------|
| 53 lb-in 14 lb-in | 6 Nm 1.2 Nm | 53 lb-in 14 lb-in |
|----------------------|----------------|----------------------|

| Type Cat No. | Std. Packing in Nos. | Wt Per unit in Grams |
|-----------------|-------------------------|-------------------------|
| DISBL10/2 | 10 | 121 |
| DISBL10/3 | 10 | 160 |
| DISBL10/4 | 5 | 196 |

| | | |
|------------|------|-----|
| DIN 32G | 50 M | 750 |
| DIN 35U | 50 M | 360 |
| DIN 35-15D | 50 M | 700 |

| | | |
|------|----|------|
| ES1S | 50 | 15.3 |
| ES2S | 50 | 15.1 |
| ES3S | 50 | 7.0 |
| ES2N | 50 | 7.4 |
| ES3N | 50 | 4.5 |

| | | |
|-------|-----|------|
| KM/10 | 100 | 0.16 |
|-------|-----|------|

| Type | H x W x T | No. of Output |
|------------|------------------|---------------|
| *DISBL10/2 | 43 x 48 x 72 mm | 8 |
| *DISBL10/3 | 43 x 48 x 92 mm | 12 |
| *DISBL10/4 | 43 x 48 x 112 mm | 16 |