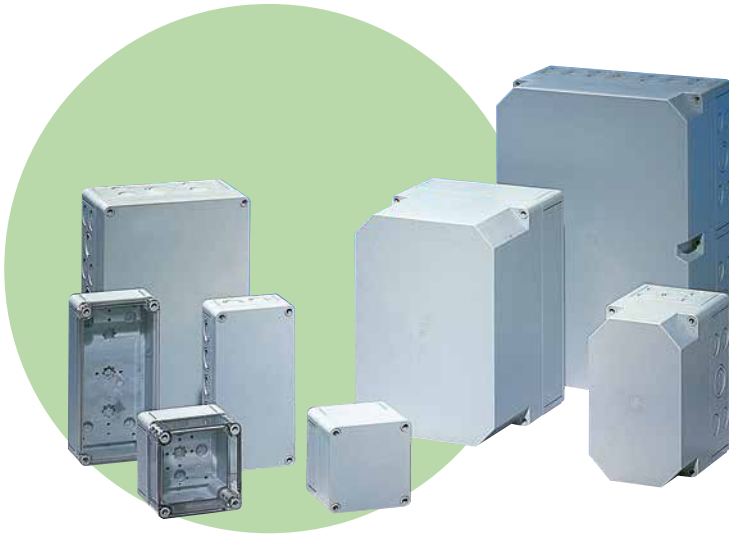


Small multipurpose boxes




Applications

- Ideal for automation and control applications in industry, machinery, tool-shop and OEM.
- Electronic applications in data and telecom industry.
- Also suitable for use as commercial and industrial distribution boxes.


Standards

EN/IEC 60670-22 (Polystyren)
EN/IEC 61439-3 (Polycarbonate)

Approvals

 Only for polycarbonate boxes, available on request

Features and benefits

- 11 different basic enclosures (from 65x65 mm up to 361x254 mm) with up to 3 different cover depths.
- Material: made of polystyrene or glass-fibre reinforced polycarbonate.
- Colour: grey RAL 7035
- High protection degree, IP66-IP67 for polystyrene, and IP66-IP68 for polycarbonate, by means of injected polyurethane seal.
- Polycarbonate boxes are available with smooth side walls (only one entry) or with several metric knock-outs. Polystyrene boxes are available with smooth side walls or with several metric knock-outs.
- Opaque grey or transparent covers.
- Designed for surface mounting.
- Combinations of heights and widths optional.
- Polystyrene boxes (650° glow wire test) are suitable for use in temperatures up to +70°C, polycarbonate boxes (960° glow wire test) are suitable for use in temperatures up to +80°C.
- Total insulation 
- High resistance to chemical and aggressive influences.
- Halogen-free.
- Self-extinguishing (UL94-V2).
- Rated insulation voltage $U_i = 1000V$


Why MultiBox

Do you prefer something standard or can it be tailor-made?


GE offers you: customer specific developments for all your applications and requirements, exclusively to meet your needs!

- All colours (environmental aspects, customised, differentiated)
- Painted or screened
- With cut-outs (circular, rectangular, square)
- Coupling facilities in vertical and horizontal direction
- EMC shielded



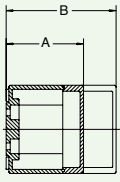





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Dimensional drawings  Page I.12

Specifications for tender documents  Page I.49

Power dissipation values  Page I.67

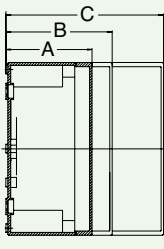




Small multipurpose boxes

|  | | Polystyrene | | Polycarbonate ⁽¹⁾ | |  Mounting plate (Insulated) | (for terminals) | (for terminals and components) |
|---|------------------|---|------------------------|---|----------|---|--|--|
| | |  | |  | | |  DIN profile 15x5x1 |  DIN profile 35x7,5x1 |
| Base | Depth | Grey Cover RAL 7035 | Grey Cover RAL 7035 | Transparent Cover | | | | |
| | | Ref. No. | Ref. No. | Ref. No. | Ref. No. | Ref. No. | Ref. No. | Ref. No. |
| | | MB 11 HxW = 65x65 mm | | | | 45x45 mm | L=49,5 long/short side | |
| With metric knock-outs | A = 57 B = 81 | 861612 861614 | 861500 861502 | 861501 861503 | 861730 | 861741 | - | |
| Smooth | A = 57 B = 81 | 861668 861670 | 861556 861558 | 861557 861559 | | | | |
| | | MB 21 HxW = 94x65 mm | | | | 74x45 mm | L=49,5 short side | |
| With metric knock-outs | A = 57 B = 81 | 861616 861618 | 861504 861506 | 861505 861507 | 861731 | 861741 | - | |
| Smooth | A = 57 B = 81 | 861672 861674 | 861560 861562 | 861561 861563 | | L=80 long side 861742 | - | |
| | | MB 22 HxW = 94x94 mm | | | | 74x74 mm | L=80 long/short side | |
| With metric knock-outs | A = 57 B = 81 | 861620 861622 | 861508 861510 | 861509 861511 | 861732 | 861742 | - | |
| Smooth | A = 57 B = 81 | 861676 861678 | 861564 861566 | 861565 861567 | | | | |
| | | MB 33 HxW = 110x110 mm | | | | 90x90 mm | L=92 long/short side | L=81 long/short side |
| With metric knock-outs | A = 66 B = 90 | 861624 861626 | 861512 861514 | 861513 861515 | 861733 | 861743 | 861746 | |
| Smooth | A = 66 B = 90 | 861680 861682 | 861568 861570 | 861569 861571 | | | | |
| | | MB 42 HxW = 130x94 mm | | | | 110x74 mm | L=111 long side | L=106 long side |
| With metric knock-outs | A = 57 B = 81 | 861628 861630 | 861516 861518 | 861517 861519 | 861734 | 861744 | 861747 | |
| Smooth | A = 57 B = 81 | 861684 861686 | 861572 861574 | 861573 861575 | | | | |
| | | MB 44 HxW = 130x130 mm | | | | 110x110 mm | L=111 long/short side | L=106 long/short side |
| With metric knock-outs | A = 75 B = 99 | 861632 861634 | 861520 861522 | 861521 861523 | 861735 | 861744 | 861747 | |
| Smooth | A = 75 B = 99 | 861688 861690 | 861576 861578 | 861577 861579 | | | | |
| | | MB 52 HxW = 180x94 mm | | | | 160x74 mm | L=154 long side | L=144 long side |
| With metric knock-outs | A = 57 B = 81 | 861636 861638 | 861524 861526 | 861525 861527 | 861736 | 861745 | 861748 | |
| Smooth | A = 57 B = 81 | 861692 861694 | 861580 861582 | 861581 861583 | | | | |

(1) Smooth = one metric knock-out on short side for power supply cord ! (See dimensional drawings in chapter "General characteristics")

Pack. = 1

Small multipurpose boxes

|  | |  |  | |  |  (for terminals and components) |
|---|---------|---|--|-------------------|---|---|
| | | Polystyrene | Polycarbonate ⁽¹⁾ | | Mounting plate (Insulated) | DIN profile 35x7,5x1 |
| Base | Depth | Grey Cover RAL 7035 | Grey Cover RAL 7035 | Transparent Cover | Ref. No. | Ref. No. |
| | | Ref. No. | Ref. No. | Ref. No. | Ref. No. | Ref. No. |
| | | MB 53 HxW = 180x110 mm | | | 150x90 mm | L=144 long side |
| With metric knock-outs | A = 90 | 861640 | 861528 | 861529 | 861737 | 861748 |
| | B = 111 | 861642 | 861530 | 861531 | | |
| | C = 165 | 861644 | 861532 | 861533 | | |
| Smooth | A = 90 | 861696 | 861584 | 861585 | | |
| | B = 111 | 861698 | 861586 | 861587 | | |
| | C = 165 | 861700 | 861588 | 861589 | | |
| | | MB 65 HxW = 182x180 mm | | | 150x150 mm | L=144 long side |
| With metric knock-outs | A = 90 | 861646 | 861534 | 861535 | 861738 | 861748 |
| | B = 111 | 861648 | 861536 | 861537 | | |
| | C = 165 | 861650 | 861538 | 861539 | | |
| Smooth | A = 90 | 861702 | 861590 | 861591 | | |
| | B = 111 | 861704 | 861592 | 861593 | | |
| | C = 165 | 861706 | 861594 | 861595 | | |
| | | MB 75 HxW = 254x180 mm | | | 220x150 mm | L=216 long side |
| With metric knock-outs | A = 90 | 861654 | 861542 | 861543 | 861739 | 861749 |
| | B = 111 | 861656 | 861544 | 861545 | | |
| | C = 165 | 861658 | 861546 | 861547 | | |
| Smooth | A = 90 | 861710 | 861598 | 861599 | | |
| | B = 111 | 861712 | 861600 | 861601 | | |
| | C = 165 | 861714 | 861602 | 861603 | | |
| | | MB 87 HxW = 361x254 mm | | | 331x220 mm | L=336 long side |
| With metric knock-outs | A = 111 | 861662 | 861550 | 861551 | 861740 | 861750 |
| | B = 165 | 861664 | 861552 | 861553 | | |
| Smooth | A = 111 | 861718 | 861606 | 861607 | | |
| | B = 165 | 861720 | 861608 | 861609 | | |

(1) Smooth = one metric knock-out on short side for power supply cord ! (See dimensional drawings in chapter "General characteristics")

Pack. = 1

MultiBox Matrix

| MB (MultiBox) | Height | Width |
|---------------|--------|-------|
| 11 | 65 | 65 |
| 21 | 94 | 65 |
| 22 | 94 | 94 |
| 33 | 110 | 110 |
| 42 | 130 | 94 |
| 44 | 130 | 130 |
| 52 | 180 | 94 |
| 53 | 180 | 110 |
| 65 | 182 | 180 |
| 75 | 254 | 180 |
| 87 | 361 | 254 |

Accessories



| | | |
|--|---------------|----------|
| Combi set | | |
| For joining several boxes horizontal and/or vertical | | |
| ① | 861753 | 5 |
| small M20 (up to enclosure size MB52) | | |
| ② | 861754 | 5 |
| small M25 (up to enclosure size MB52) | | |
| ① | 861755 | 5 |
| small M32 (up to enclosure size MB52) | | |
| ② | 861756 | 1 |
| large (from enclosure size MB 53 on) | | |



| | | |
|--|---------------|----------|
| Thumb grip | | |
| | 861763 | 1 |
| For fixing on to cover screws. | | |
| Available for all MultiBoxes - 1 set = 4 pcs | | |



| | | |
|--|---------------|----------|
| Carrying handle | | |
| Used with MultiBoxes for portable purposes (plastic, green). | | |
| | 861764 | 1 |
| with plastic screws | | |



| | | |
|--------------------------|---------------|----------|
| | 861765 | 1 |
| with self-tapping screws | | |

| | | |
|---|---------------|----------|
| Hinges | | |
| Converts removable covers into hinged covers. (incl. drilling template) | | |
| | 861757 | 1 |
| Small up to MB 52 | | |
| | 861758 | 1 |
| Large from MB 53 on | | |



| | | |
|---|---------------|-----------|
| Double membrane nipple IP66 | | |
| Special plastic material (elastic and temperature-resistant). | | |
| Secure fitting without locknut, two integrated sealing membranes. | | |
| Cable glands, see chapter "General accessories" | | |
| | 861724 | 50 |
| M16 | | |
| | 861725 | 50 |
| M20 | | |
| | 861726 | 50 |
| M25 | | |
| | 861727 | 25 |
| M32 | | |



| | | |
|---|---------------|----------|
| Wall mounting brackets | | |
| | 861759 | 1 |
| For external mounting of all MultiBoxes | | |
| 1 set = 4 pieces | | |



| | | |
|---|---------------|----------|
| Padlock | | |
| | 861761 | 1 |
| For protection against unauthorised access. | | |
| Available from MB 65 on | | |



| | | |
|---|---------------|----------|
| Spacers | | |
| | 861762 | 1 |
| In plastic (6 + 8 mm), determines the distance between PC-boards or mounting plates and the base of the box | | |
| 1 set = 8 pieces (incl. fixing screws) | | |
| Available for all MultiBoxes. | | |



| | | |
|--|---------------|-----------|
| Air vent (IPx4) | | |
| To allow ventilation and prevent condensation. Air vents are preferably mounted in the upper and lower part of the box - M20 | | |
| | 861728 | 25 |



| | | |
|--|---------------|-----------|
| Coverscrews (spare parts) | | |
| | 861769 | 20 |
| Short for grey cover, enclosure depth A | | |
| | 861770 | 20 |
| Long for grey cover, enclosure depth B, C, D | | |