

# Junction boxes

## Abox



For installation in indoor and protected outdoor areas  
(with and without terminals up to 35 mm<sup>2</sup>)

- Self-sealing, soft insertion membranes (Abox 025 to 100)
- 3 entries on one side from Abox 025 upwards allow optimal installation in various installation environments
- Optimised sealing range, can also be used for non-circular cables
- Fastening holes with TPE membrane enable simple and quick assembly
- Cable entry from Abox 160 upwards by means of multiple knock-out membranes
- Cover remains locked on the box even when cover screws are loosened
- **Optimised for protected outdoor areas thanks to:**
  - Higher glow wire resistance
  - Extended ambient temperature range
  - High IP rate
  - High UV resistance



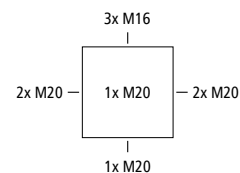
# Junction Boxes

Abox

## Abox 025 87 x 87 x 52 mm



Junction box, protection class IP66, nominal cross-section 2.5 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M16/M20, sealing range 4 - 16 mm, (1 rear, 8 side), internal fixing points, for standard indoor and protected outdoor installations

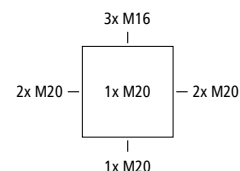


Description	Order no.
<b>Abox 025-L</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80240001
<b>Abox 025-L/w</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> white, U <sub>i</sub> =1000 V AC, without terminals	□ 80210001
<b>Abox 025-L/sw</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> black, U <sub>i</sub> =1000 V AC, without terminals	■ 80200001
<b>Abox 025-L/SB</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80270001
<b>Abox 025-2,5²</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =450 V AC, I <sub>n</sub> =24 A, with 5 screwless 5-wire terminal, Wago 2273-205, max. nominal cross-section in accordance with DIN EN 60998: 2.5 mm <sup>2</sup> , clampable cross-sections per connection pole: 5 x 0.5 - 2.5 mm <sup>2</sup> rigid Cu/Al (follow installation instructions)	■ 80242001
<b>Abox 025-2,5²/w</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> white, U <sub>i</sub> =450 V AC, I <sub>n</sub> =24 A, with 5 screwless 5-wire terminal, Wago 2273-205, max. nominal cross-section in accordance with DIN EN 60998: 2.5 mm <sup>2</sup> , clampable cross-sections per pole: 5 x 0.5 - 2.5 mm <sup>2</sup> rigid Cu/Al (follow installation instructions)	□ 80212001

## Abox 025 AB 87 x 87 x 52 mm



Junction box, protection class IP66, nominal cross-section 2.5 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M16/M20, sealing range 4 - 16 mm, (1 rear, 8 side), external fixing lugs, for standard indoor and protected outdoor installations



Description	Order no.
<b>Abox 025 AB-L</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80240101
<b>Abox 025 AB-L/sw</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> black, U <sub>i</sub> =1000 V AC, without terminals	■ 80200101
<b>Abox 025 AB-L/SB</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80270101
<b>Abox 025 AB-Pot</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =690 V AC, with 1 x PE terminal block 4 <sup>2</sup> on standard rail 15mm	■ 80442701
<b>Abox 025 AB-2,5²</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =450 V AC, I <sub>n</sub> =24 A, with 5 screwless 5-wire terminal, Wago 2273-205, max. nominal cross-section in accordance with DIN EN 60998: 2.5 mm <sup>2</sup> , clampable cross-sections per pole: 5 x 0.5 - 2.5 mm <sup>2</sup> rigid Cu/Al (follow installation instructions)	■ 80242101

# Junction Boxes

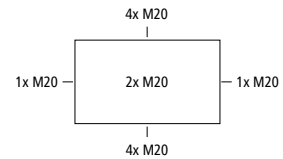
## Abox

### Abox 025/2

152 x 87 x 52 mm



Junction box, protection class IP66, nominal cross-section 2.5 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20, sealing range 4 - 16 mm, (2 rear, 10 side), internal fixing points, for standard indoor and protected outdoor installations



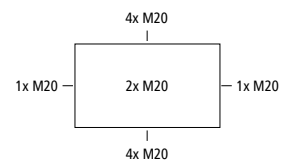
Description	Order no.
<b>Abox 025/2-L</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80240201
<b>Abox 025/2-L/w</b> <span style="background-color: #90EE90;">NEW</span> white, U <sub>i</sub> =1000 V AC, without terminals	□ 80210201
<b>Abox 025/2-L/sw</b> <span style="background-color: #90EE90;">NEW</span> black, U <sub>i</sub> =1000 V AC, without terminals	■ 80200201
<b>Abox 025/2-L/SB</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80270201

### Abox 025/2 AB

152 x 87 x 52 mm



Junction box, protection class IP66, nominal cross-section 2.5 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20, sealing range 4 - 16 mm, (2 rear, 10 side), external fixing lugs, for standard indoor and protected outdoor installations



Description	Order no.
<b>Abox 025/2 AB-L</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80240301
<b>Abox 025/2 AB-L/sw</b> <span style="background-color: #90EE90;">NEW</span> black, U <sub>i</sub> =1000 V AC, without terminals	■ 80200301
<b>Abox 025/2 AB-L/SB</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80270301

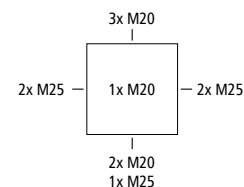
# Junction Boxes

Abox

## Abox 040 102 x 102 x 57 mm



Junction box, protection class IP66, nominal cross-section 4 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25, sealing range 4 - 21 mm, (1 rear, 10 side), internal fixing points, for standard indoor and protected outdoor installations

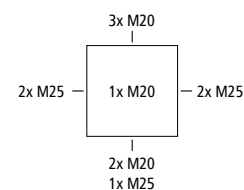


Description	Order no.
<b>Abox 040-L</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80440001
<b>Abox 040-L/w</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> white, U <sub>i</sub> =1000 V AC, without terminals	□ 80410001
<b>Abox 040-L/sw</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> black, U <sub>i</sub> =1000 V AC, without terminals	■ 80400001
<b>Abox 040-L/SB</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80470001
<b>Abox 040-2,5<sup>2</sup></b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =450 V AC, I <sub>n</sub> =24 A, with 5 screwless 5-wire terminal, Wago 2273-205, max. nominal cross-section in accordance with DIN EN 60998: 2.5 mm <sup>2</sup> , clampable cross-sections per pole: 5 x 0.5 - 2.5 mm <sup>2</sup> rigid Cu/Al (follow installation instructions)	■ 80243001
<b>Abox 040-4<sup>2</sup></b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =400 V AC, I <sub>n</sub> =32 A, with 5 screwless 4-wire terminals, Wago 773-604, max. nominal cross-section in accordance with DIN EN 60998: 4 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 1.5 - 4.0 mm <sup>2</sup> rigid Cu/Al (follow installation instructions)	■ 80442001
<b>Abox 040-4<sup>2</sup>/w</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> white, U <sub>i</sub> =400 V AC, I <sub>n</sub> =32 A, with 5 screwless 4-wire terminals, Wago 773-604, max. nominal cross-section in accordance with DIN EN 60998: 4 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 1.5 - 4.0 mm <sup>2</sup> rigid Cu/Al (follow installation instructions)	□ 80412001

## Abox 040 AB 102 x 102 x 57 mm



Junction box, protection class IP66, nominal cross-section 4 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25, sealing range 4 - 21 mm, (1 rear, 10 side), external fixing lugs, for standard indoor and protected outdoor installations



Description	Order no.
<b>Abox 040 AB-L</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80440101
<b>Abox 040 AB-L/sw</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> black, U <sub>i</sub> =1000 V AC, without terminals	■ 80400101
<b>Abox 040 AB-L/SB</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80470101
<b>Abox 040 AB-4<sup>2</sup></b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =400 V AC, I <sub>n</sub> =32 A, with 5 screwless 4-wire terminals, Wago 773-604, max. nominal cross-section in accordance with DIN EN 60998: 4 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 1.5 - 4.0 mm <sup>2</sup> rigid Cu/Al (follow installation instructions)	■ 80442101

# Junction Boxes

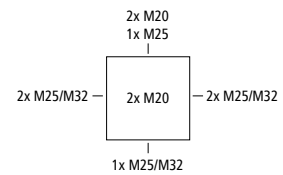
## Abox

### Abox 060

127 x 127 x 70 mm



Junction box, protection class IP66, nominal cross-section 6 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25/M32, sealing range 4 - 28 mm, (2 rear, 8 side), internal fixing points, for standard indoor and protected outdoor installations



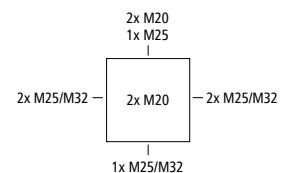
Description	Order no.
<b>Abox 060-L</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80640001
<b>Abox 060-L/w</b> <span style="background-color: #90EE90;">NEW</span> white, U <sub>i</sub> =1000 V AC, without terminals	□ 80610001
<b>Abox 060-L/sw</b> <span style="background-color: #90EE90;">NEW</span> black, U <sub>i</sub> =1000 V AC, without terminals	■ 80600001
<b>Abox 060-L/SB</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80670001
<b>Abox 060-6²</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =690 V AC, I <sub>n</sub> =41 A, with raised screw terminal block, 5-pole - 6 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 1.5 mm <sup>2</sup> , 4 x 2.5 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , 4 x 6 mm <sup>2</sup> rigid Cu/flexible with wire-end ferrule	■ 80642001
<b>Abox 060-6²/w</b> <span style="background-color: #90EE90;">NEW</span> white, U <sub>i</sub> =690 V AC, I <sub>n</sub> =41 A, with raised screw terminal block, 5-pole - 6 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 1.5 mm <sup>2</sup> , 4 x 2.5 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , 4 x 6 mm <sup>2</sup> rigid Cu/flexible with wire-end ferrule	□ 80612001
<b>Abox 060-6²/sw</b> <span style="background-color: #90EE90;">NEW</span> black, U <sub>i</sub> =690 V AC, I <sub>n</sub> =41 A, with raised screw terminal block, 5-pole - 6 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 1.5 mm <sup>2</sup> , 4 x 2.5 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , 4 x 6 mm <sup>2</sup> rigid Cu/flexible with wire-end ferrule	■ 80602001

### Abox 060 AB

127 x 127 x 70 mm



Junction box, protection class IP66, nominal cross-section 6 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25/M32, sealing range 4 - 28 mm, (2 rear, 8 side), external fixing lugs, for standard indoor and protected outdoor installations



Description	Order no.
<b>Abox 060 AB-L</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	■ 80640101
<b>Abox 060 AB-6²</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =690 V AC, I <sub>n</sub> =41 A, with raised screw terminal block, 5-pole - 6 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 1.5 mm <sup>2</sup> , 4 x 2.5 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , 4 x 6 mm <sup>2</sup> rigid Cu/flexible with wire-end ferrule	■ 80642101
<b>Abox 060 AB-L/SB</b> <span style="background-color: #90EE90;">NEW</span> grey, U <sub>i</sub> =1000 V AC, with red cover, without terminals, for identification of safety lighting circuits	■ 80670101

# Junction Boxes

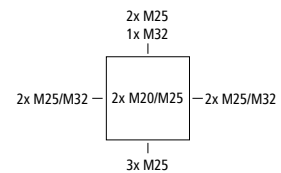
## Abox

### Abox 100

152 x 152 x 80 mm



Junction box, protection class IP66, nominal cross-section 10 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25/M32, sealing range 8 - 28 mm, (2 rear, 10 side), internal fixing points, for standard indoor and protected outdoor installations



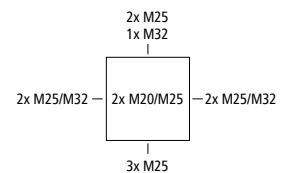
Description	Order no.
<b>Abox 100-L</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	<input checked="" type="checkbox"/> 81040001
<b>Abox 100-L/w</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> white, U <sub>i</sub> =1000 V AC, without terminals	<input type="checkbox"/> 81010001
<b>Abox 100-10<sup>2</sup></b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =690 V AC, I <sub>n</sub> =57 A, with raised screw terminal block, 5-pole- 10 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 2.5 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , 4 x 6 mm <sup>2</sup> , 4 x 10 mm <sup>2</sup> rigid Cu/flexible with wire-end ferrule	<input checked="" type="checkbox"/> 81042001
<b>Abox 100-10<sup>2</sup>/w</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> white, U <sub>i</sub> =690 V AC, I <sub>n</sub> =57 A, with raised screw terminal block, 5-pole- 10 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 2.5 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , 4 x 6 mm <sup>2</sup> , 4 x 10 mm <sup>2</sup> rigid Cu/flexible with wire-end ferrule	<input type="checkbox"/> 81012001

### Abox 100 AB

152 x 152 x 80 mm



Junction box, protection class IP66, nominal cross-section 10 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), self-sealing, soft insertion membranes, M20/M25/M32, sealing range 8 - 28 mm, (2 rear, 10 side), external fixing lugs, for standard indoor and protected outdoor installations



Description	Order no.
<b>Abox 100 AB-L</b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =1000 V AC, without terminals	<input checked="" type="checkbox"/> 81040101
<b>Abox 100 AB-10<sup>2</sup></b> <span style="background-color: #4CAF50; color: white; padding: 2px;">NEW</span> grey, U <sub>i</sub> =690 V AC, I <sub>n</sub> =57 A, with raised screw terminal block, 5-pole- 10 mm <sup>2</sup> , clampable cross-sections per pole: 4 x 2.5 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , 4 x 6 mm <sup>2</sup> , 4 x 10 mm <sup>2</sup> rigid Cu/flexible with wire-end ferrule	<input checked="" type="checkbox"/> 81042101



# Junction Boxes

## Abox

### Abox 160

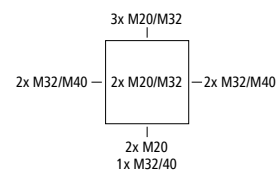
182 x 182 x 90 mm



Junction box, protection class IP55/IP66, nominal cross-section 16 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), knockouts, M20/M32/M40, (2 rear, 10 side), internal fixing points, for standard indoor and protected outdoor installations

#### Accessories supplied:

4 attachment bushes IP55 M40 sealing range 17 - 30 mm, 1 sealing plug IP55 M40, cover retainer



#### Description

##### Abox 160-L **NEW**

grey,  $U_i=1000$  V AC, without terminals

Order no. 81640001

##### Abox 160-16<sup>2</sup> **NEW**

grey,  $U_i=690$  V AC,  $I_n=76$  A, with raised screw terminal block, 5-pole- 16 mm<sup>2</sup>, clampable cross-sections per pole: 12 x 4 mm<sup>2</sup>, 8 x 6 mm<sup>2</sup>, 4 x 10 mm<sup>2</sup>, 4 x 16 mm<sup>2</sup> rigid Cu/flexible with wire-end ferrule

Order no. 81642001

### Abox 250

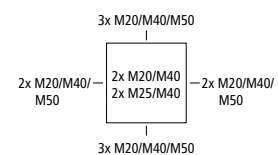
252 x 202 x 120 mm



Junction box, protection class IP55/IP66, nominal cross-section 25 mm<sup>2</sup>, certified by VDE (DIN EN 60670-1/-22 (VDE 0606-1/-22)), DLG (Ammonia resistance), knockouts, M20/M25/M40/M50, (4 rear, 10 side), internal fixing points, for standard indoor and protected outdoor installations

#### Accessories supplied:

4 attachment bushes IP55 M40 sealing range 17 - 30 mm, 1 sealing plug IP55 M40, cover retainer



#### Description

##### Abox 250-L **NEW**

grey,  $U_i=1000$  V AC, without terminals

Order no. 82540001

##### Abox 250-25<sup>2</sup> **NEW**

grey,  $U_i=690$  V AC,  $I_n=101$  A, with raised screw terminal block, 5-pole - 25 mm<sup>2</sup>, clampable cross-sections per pole: 12 x 10 mm<sup>2</sup>, 8 x 16 mm<sup>2</sup>, 4 x 25 mm<sup>2</sup> Cu rigid/flexible with wire-end ferrule

Order no. 82542001