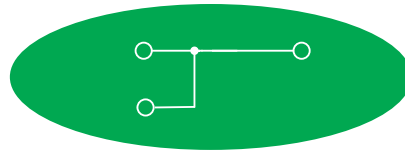
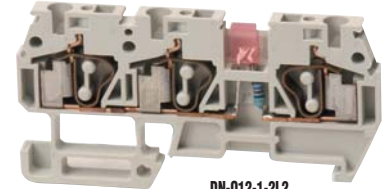
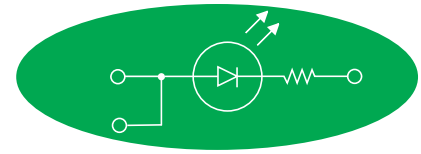


# Screwless One-Connection to Two-Connection Terminal Blocks

Unlike screw terminal blocks, screwless terminal block spring-clamps are designed to clamp a single wire. If your application requires multiple wires to be tied together, we offer multiple versions, including **one-to-two** and **two-to-two** models. These versions allow multiple wires to be connected together by way of multiple spring-clamps. LED and diode variations are also available in this style.



DN-Q12-1-2  
(Euro QM2.5/35)



DN-Q12-1-2L2  
(Euro QM2.5/35)

## One-Connection to Two-Connection Common Point Screwless Terminal Blocks

|                            | Part Number  | Price | Pcs/Pkg | Part Number   | Price | Pcs/Pkg | Part Number   | Price | Pcs/Pkg | Part Number   | Price | Pcs/Pkg |
|----------------------------|--|-------|---------|---|-------|---------|---|-------|---------|---|-------|---------|
| <b>Gray Terminal Block</b> | DN-Q12-1-2   | <---> | 25      | DN-Q12-1-2L1  | <---> | 10      | DN-Q12-1-2L2  | <---> | 10      | DN-Q12-1-2DR  | <---> | 10      |
| <b>Blue Terminal Block</b> | DN-Q12B-1-2  | <---> | 25      |   |       |         |   |       |         |   |       |         |
| <b>Description</b>         | One-connection to two-connection screwless terminal block for 24-12 AWG wire |       |         | One negative connection to two positive connection screwless terminal block for 24-12 AWG wire. LED installed for visual circuit indication |       |         | One positive connection to two negative connection screwless terminal block for 24-12 AWG wire. LED installed for visual circuit indication |       |         | One-connection to two-connection screwless terminal block for 24-12 AWG wire. Reverse bias diode installed for circuit protection |       |         |

### Specifications

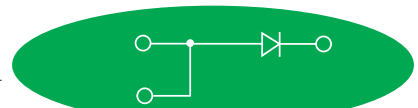
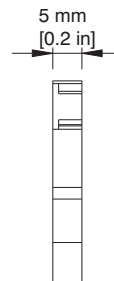
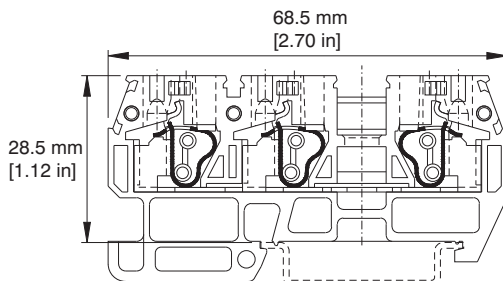
|                              |   |     |                    |                        |     |                    |                        |     |                    |                     |          |                    |
|------------------------------|---|-----|--------------------|------------------------|-----|--------------------|------------------------|-----|--------------------|---------------------|----------|--------------------|
| <b>UL Approval</b>           | 600V  | 20A | 24-12AWG           | 600V                   | 20A | 24-12AWG           | 600V                   | 20A | 24-12AWG           | 600V                | 1A Diode | 24-12AWG           |
| <b>CSA Approval</b>          | 600V  | 20A | 24-12AWG           | 600V                   | 20A | 24-12AWG           | 600V                   | 20A | 24-12AWG           | 600V                | 1A Diode | 24-12AWG           |
| <b>VDE Approval</b>          | 630V  | 24A | 2.5mm <sup>2</sup> | 630V                   | 24A | 2.5mm <sup>2</sup> | 630V                   | 24A | 2.5mm <sup>2</sup> | 630V                | 1A Diode | 2.5mm <sup>2</sup> |
| <b>CE Conformity</b>         | IEC 947-7-1   |     |                    | IEC 947-7-1            |     |                    | IEC 947-7-1            |     |                    | IEC 947-7-1         |          |                    |
| <b>UL/CSA</b>                | UL/CSA: E179129   |     |                    | UL/CSA: E179129        |     |                    | UL/CSA: E179129        |     |                    | UL/CSA: E179129     |          |                    |
| <b>LED Voltage</b>           |   |     |                    | 12 - 24V AC/DC. 3.4 kΩ |     |                    | 12 - 24V AC/DC. 3.4 kΩ |     |                    |                     |          |                    |
| <b>Wire Strip Length</b>     | 0.47"(12mm)   |     |                    | 0.47"(12mm)            |     |                    | 0.47"(12mm)            |     |                    | 0.47"(12mm)         |          |                    |
| <b>Density</b>               | 60 pcs./ft. (200/m)   |     |                    | 60 pcs./ft. (200/m)    |     |                    | 60 pcs./ft. (200/m)    |     |                    | 60 pcs./ft. (200/m) |          |                    |
| <b>Operating Temperature</b> | Ambient air temperature: -13°F to 104°F (-25°C to 40°C)<br>Relative humidity: 50% max at 104°F (40°C); 90% max at 68°F (20°C) |     |                    |                        |     |                    |                        |     |                    |                     |          |                    |

### Accessories

| Accessory                     | Part Number                 | Price   | Pcs/Pkg |               |               |               |
|-------------------------------|-----------------------------|---------|---------|---------------|---------------|---------------|
| <b>DIN Rail</b>               | DN-R35S1                    | <--->   | 10      |               |               |               |
|                               | DN-R35S1-2                  | <--->   | 2       |               |               |               |
| <b>End Bracket</b>            | DN-EB35                     | <--->   | 50      |               |               |               |
|                               | DN-EB35MN                   | <--->   | 20      |               |               |               |
|                               | DN-EB35-A or DN-QEB35       | various | 50      |               |               |               |
|                               | DN-EB35-A-10 or DN-QEB35-10 | various | 10      |               |               |               |
| <b>End Cover</b>              | DN-QEC12-1-2                | <--->   | 25      |               |               |               |
| <b>Jumper</b>                 | DN-Q2J1210                  | <--->   | 50      | Not Available | Not Available | Not Available |
| <b>Marking Tags</b>           | DN-QL Series                |         |         | <--->         | 500           |               |
| <b>Angled Support Bracket</b> | DN-ASB1                     |         |         | <--->         | 50            |               |

For more information on accessories, see the DINnectors Accessories section of this chapter.

## Dimensions: DN-Q12-1-2\* Series



DN-Q12-1-2DR  
(Euro QM2.5/35)

Volume 13

# Screwless Terminal Blocks – Accessories

## DIN rail

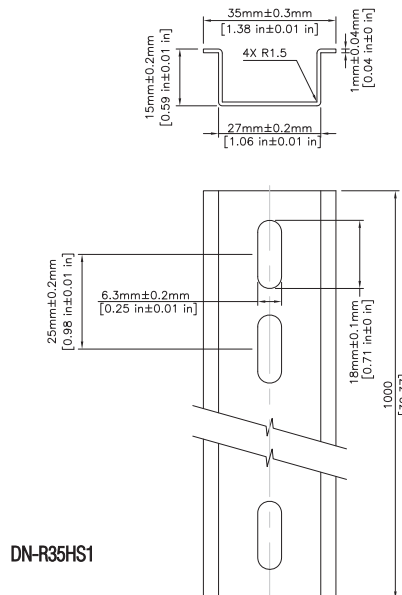
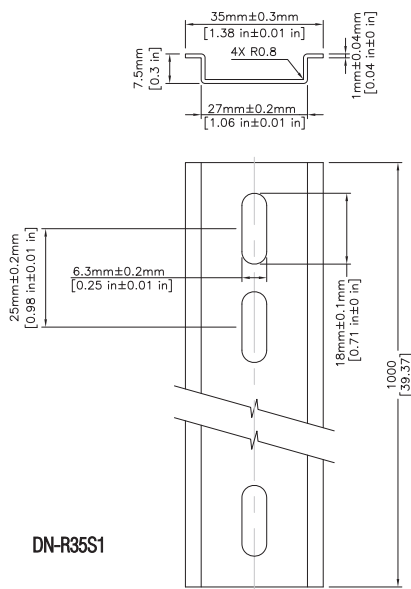
### 35 mm wide

These quality DIN rails are provided in one-meter lengths and two heights, 7.5 mm and 15 mm. The 7.5 mm-high rails are primarily used to mount terminal blocks, relays, timers and small PLCs such as the DL05, DL06, DL105, DL205, CLICK, and Productivity3000. The 15 mm-high rails are for mounting larger and heavier components such as contactors and larger PLCs.



|  | Part Number                                  | Pcs/Pkg | Price/Pkg | Part Number                                 | Pcs/Pkg | Price/Pkg |
|--|--|---------|-----------|---|---------|-----------|
| <b>DIN Rail</b>                              | <b>DN-R35S1</b>                              | 10      | <--->     | <b>DN-R35HS1</b>                            | 10      | <--->     |
|  | <b>DN-R35S1-2</b>                            | 2       | <--->     | <b>DN-R35HS1-2</b>                          | 2       | <--->     |
| <b>DINnectors Accessories Specifications</b> |  |         |           |   |         |           |
| <b>Description</b>                           | Steel, slotted, 3'3" (1m) length, 7.5mm high |         |           | Steel, slotted, 3'3" (1m) length, 15mm high |         |           |
| <b>Plating</b>                               | silver-colored plating                       |         |           |   |         |           |
| <b>International Standards</b>               | CENELEC EN 50022, DIN 46277/3, RoHS          |         |           | RoHS  |         |           |
| <b>Approximate Ampacity</b>                  | 65 Amps                                      |         |           | 125 Amps                                    |         |           |
| <b>Suggested Mounting Screw Type</b>         | M6   |         |           | M6  |         |           |

## Dimensions

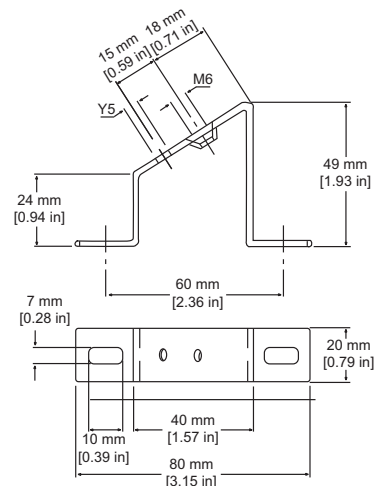


## Angled support bracket

DN-ASB1 plated steel support brackets raise and tilt mounting rails for easier wiring.

| Part Number   | Pcs/Pkg | Price Each |
|---|---------|------------|
| <b>DN-ASB1</b>  | 50      | <--->      |
| <i>*Uses M6x1 metric fixing screw for mounting DIN rail to bracket; additional 5 mm unthreaded mounting hole available.</i> |         |            |

## DN-ASB1



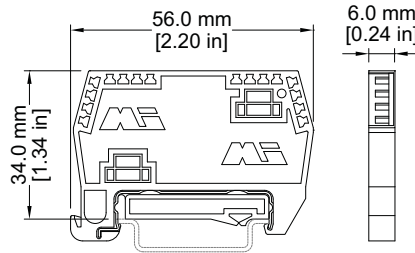
# Screwless Terminal Blocks – Accessories

## End Brackets

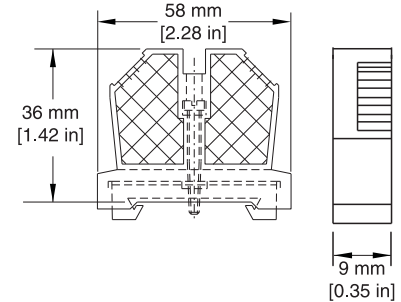
DN-xEB35x end brackets are designed to mount on 35 mm DIN rail, and are used to prevent components from sliding along the rail.

| Part Number  | Pcs/Pkg | Price Each |
|--------------|---------|------------|
| DN-EB35      | 50      | <--->      |
| DN-EB35MN    | 20      | <--->      |
| DN-EB35-A    | 50      | <--->      |
| DN-EB35-A-10 | 10      | <--->      |
| DN-QEB35     | 50      | <--->      |
| DN-QEB35-10  | 10      | <--->      |

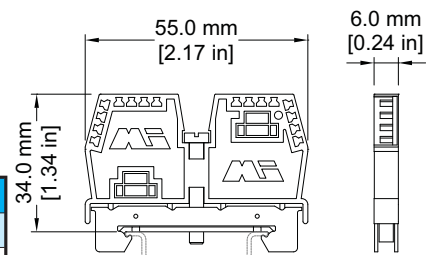
### DN-QEB35



### DN-EB35



### DN-EB35-A

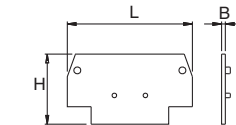


## End Covers & Spacers

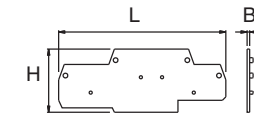
Certain end covers can be used with multiple terminal block parts to cover and insulate the open side, or to put more space between adjacent blocks.

| End Covers for Screwless Dinnectors |  |  |       |         |
|-------------------------------------|--|--|-------|---------|
| Part Number                         | Description  | Dimensions LxHxB                                   | Price | Pcs/Pkg |
| DN-QEC12                            | Gray end cover used with Screwless Feed-through <b>DINnectors</b> and Screwless Ground <b>DINnectors</b> | 1.97" x 0.9" x 0.06"<br>(50mm)x(23mm)x(1.5mm)      | <---> | 50      |
| DN-QEC10                            | Gray end cover used with Screwless Feed-through <b>DINnectors</b> and Screwless Ground <b>DINnectors</b> | 2.26" x 1.32" x 0.06"<br>(57.4mm)x(33.6mm)x(1.5mm) | <---> | 50      |
| DN-QEC8                             | Gray end cover used with Screwless Feed-through <b>DINnectors</b> and Screwless Ground <b>DINnectors</b> | 2.48" x 1.52" x 0.06"<br>(63mm)x(38.5mm)x(1.5mm)   | <---> | 50      |
| DN-QEC12-1-2                        | Gray end cover used with Screwless <b>DINnectors</b> series DN-Q12-1-2                                   | 2.70" x 1.12" x 0.06"<br>(68.5mm)x(28.5mm)x(1.5mm) | <---> | 25      |
| DN-QEC12-2-2                        | Gray end cover used with Screwless <b>DINnectors</b> series DN-Q12-2-2                                   | 3.44" x 1.12" x 0.06"<br>(87.5mm)x(28.5mm)x(1.5mm) | <---> | 25      |
| DN-QDEC12                           | Gray end cover used with Double Level Screwless <b>DINnectors</b>  | 3.86" x 1.46" x 0.06"<br>(98mm)x(37mm)x(1.5mm)     | <---> | 25      |
| DN-EMXM1EC1                         | Covers open side of TB DN-QEMXM1   | as shown   | <---> | 25      |
| DN-EMXM1EC2                         | covers closed side of TB DN-QEMXM1   |  | <---> | 25      |
| DN-EMXM1SPA1                        | spacer for either side of TB DN-QEMXM1   |  | <---> | 25      |
| DN-EMXDVEC1                         | covers open side of TB DN-QEMXDV   |  | <---> | 25      |
| DN-EMXDVEC2                         | covers closed side of TB DN-QEMXDV   |  | <---> | 25      |
| DN-EMXDVSPA1                        | spacer for either side of TB DN-QEMXDV   |  | <---> | 25      |

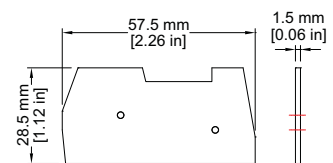
DN-QEC Series



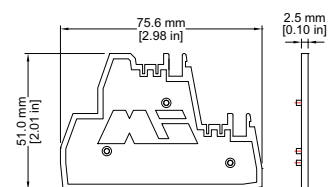
DN-QDEC Series



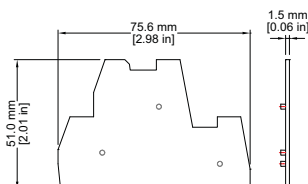
DN-EMXM1EC2



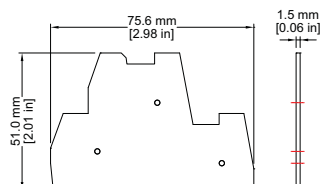
DN-EMXDVSPA1



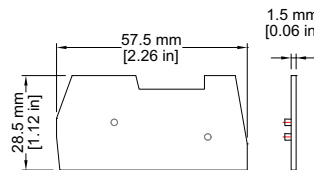
DN-EMDVEC1



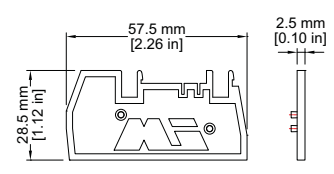
DN-EMDVEC2



DN-EMXM1EC1



DN-EMXM1SPA1

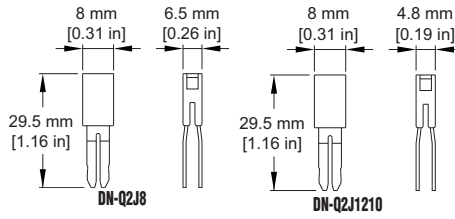


# Screwless Terminal Blocks – Accessories

## Jumper bar



DN-Q2J1210 shown



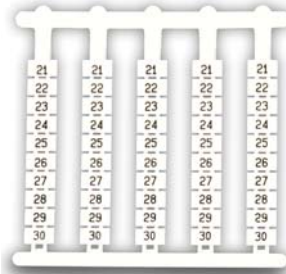
| Jumper Bar for Screwless Dinnectors |   |       |         |
|-------------------------------------|---|-------|---------|
| Part Number                         | Description   | Price | Pcs/Pkg |
| DN-Q2J1210                          | Jumper bar (push-in style) for DN-Q12 and DN-Q10 screwless terminal blocks. Two insulated poles | <---> | 50      |
| DN-Q2J8                             | Jumper bar (push-in style) for DN-Q8 screwless terminal blocks. Two insulated poles             | <---> | 50      |

Note: Jumpers can be installed side-by-side to allow continuous termination.

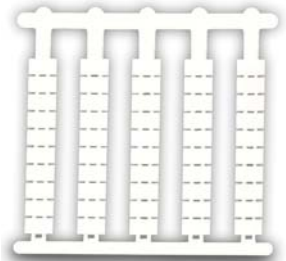
## Marking accessories

### Marking tags

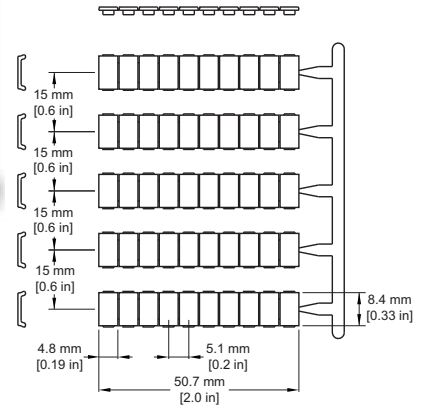
| Marking Tags for Screwless Terminal Blocks |   |       |         |
|--|---|-------|---------|
| Part Number                                | Marking Sequence                          | Price | Pcs/Pkg |
| DN-QL100                                   | 1-100 (50 labels/card, 10 cards/box)      | <---> | 500     |
| DN-QL200                                   | 101-200 (50 labels/card, 10 cards/box)    | <---> | 500     |
| DN-QL300                                   | 201-300 (50 labels/card, 10 cards/box)    | <---> | 500     |
| DN-QL400                                   | 301-400 (50 labels/card, 10 cards/box)    | <---> | 500     |
| DN-QL500                                   | 401-500 (50 labels/card, 10 cards/box)    | <---> | 500     |
| DN-QLB                                     | Blank Tags (50 labels/card, 10 cards/box) | <---> | 500     |



DN-QL100



DN-QLB



DN-EMLBL1



DN-EMLBL2



DN-EMLBL3

| Part #    | Description            | For Use With   | Pcs/Pkg | Price Each |
|-----------|------------------------|--|---------|------------|
| DN-EMLBL1 | Blank labels           | DN-EMPEG1 pin protectors for DN-xEMXxx plug-in terminal blocks | 100     | <--->      |
| DN-EMLBL2 | Labels printed 1 – 12  |  | 100     | <--->      |
| DN-EMLBL3 | Labels printed 13 – 24 |  | 100     | <--->      |

### Marking Pen – for terminal and wire marking tags

- Permanent
- Smudge-proof
- Waterproof
- Weatherproof
- Lightfast (won't fade)
- Dries in seconds (excellent for left-handed users)
- Dry-safe (pen can be left uncapped for days without drying out)
- Low odor ink

| Part# | Description                     | Pcs/Pkg | Price Each |
|-------|---------------------------------|---------|------------|
| DN-MP | Indelible black ink marking pen | 1       | <--->      |



Marking pen

# Screwless DINnectors Cross Reference

| Allen-Bradley Part Number | Screwless DINnectors Part Number |
|---------------------------|----------------------------------|
| 1492-R4                   | DN-Q10                           |
| 1492-R4-B                 | DN-Q10B                          |
| 1492-R3                   | DN-Q12                           |
| 1492-R3T                  | DN-Q12-1-2                       |
| 1492-R3Q                  | DN-Q12-2-2                       |
| 1492-R3-B                 | DN-Q12B                          |
| 1492-R3T-B                | DN-Q12B-1-2                      |
| 1492-R3Q-B                | DN-Q12B-2-2                      |
| 1492-R6                   | DN-Q8                            |
| 1492-R6-B                 | DN-Q8B                           |
| 1492-RD3                  | DN-QD12                          |
| 1492-RD3-B                | DN-QD12B                         |
| 1492-RD3C                 | DN-QD12X                         |
| 1492-TC4                  | DN-QEC10                         |
| 1492-RG4                  | DN-QG10                          |
| 1492-RG3                  | DN-QG12                          |
| 1492-RG6                  | DN-QG8                           |
| 1492-SM5x9                | DN-QL100                         |
| 1492-SM5x9                | DN-QLB                           |
| 1492-RG3T                 | DN-QG12-1-2                      |
| 1492-RG3Q                 | DN-QG12-2-2                      |
| 1492-RKD3                 | DN-QKBD12                        |

| Wago Part Number | Screwless DINnectors Part Number |
|------------------|----------------------------------|
| 282-901          | DN-Q10                           |
| 282-904          | DN-Q10B                          |
| 280-901          | DN-Q12                           |
| 280-681          | DN-Q12-1-2                       |
| 280-833          | DN-Q12-2-2                       |
| 280-904          | DN-Q12B                          |
| 280-684          | DN-Q12B-1-2                      |
| 280-834          | DN-Q12B-2-2                      |
| 284-601          | DN-Q8                            |
| 284-604          | DN-Q8B                           |
| 281-619          | DN-QD12                          |
| 281-629          | DN-QD12B                         |
| N/A              | DN-QD12X                         |
| 282-325          | DN-QEC10                         |
| 282-907          | DN-QG10                          |
| 281-907          | DN-QG12                          |
| 284-907          | DN-QG8                           |
| N/A              | DN-QL100                         |
| 209-xxx          | DN-QLB                           |
| 279-687          | DN-QG12-1-2                      |
| 279-837          | DN-QG12-2-2                      |
| 280-870          | DN-QKBD12                        |

| Phoenix Part Number | Screwless DINnectors Part Number |
|---------------------|----------------------------------|
| 3031364             | DN-Q10                           |
| 3031377             | DN-Q10B                          |
| 3031212             | DN-Q12                           |
| 3031241             | DN-Q12-1-2                       |
| 3031306             | DN-Q12-2-2                       |
| 3031225             | DN-Q12B                          |
| 3031254             | DN-Q12B-1-2                      |
| 3031319             | DN-Q12B-2-2                      |
| 3031487             | DN-Q8                            |
| 3031490             | DN-Q8B                           |
| 3031270             | DN-QD12                          |
| 3031283             | DN-QD12B                         |
| 3031539             | DN-QD12X                         |
| 3030420             | DN-QEC10                         |
| 3031380             | DN-QG10                          |
| 3031238             | DN-QG12                          |
| 3031500             | DN-QG8                           |
| 1050211             | DN-QL100                         |
| 1050004             | DN-QLB                           |
| 3104013             | DN-QG12-1-2                      |
| 3031267             | DN-QG12-2-2                      |
| 3031322             | DN-QKBD12                        |

| Weidmuller Part Number | Screwless DINnectors Part Number |
|------------------------|----------------------------------|
| 163205                 | DN-Q10                           |
| 163206                 | DN-Q10B                          |
| 160851                 | DN-Q12                           |
| 160854                 | DN-Q12-1-2                       |
| 160857                 | DN-Q12-2-2                       |
| 160852                 | DN-Q12B                          |
| 160855                 | DN-Q12B-1-2                      |
| 160858                 | DN-Q12B-2-2                      |
| 160862                 | DN-Q8                            |
| 160863                 | DN-Q8B                           |
| 167430                 | DN-QD12                          |
| 167863                 | DN-QD12B                         |
| 168999                 | DN-QD12X                         |
| 163209                 | DN-QEC10                         |
| 163208                 | DN-QG10                          |
| 160864                 | DN-QG12                          |
| 160867                 | DN-QG8                           |
| 161000                 | DN-QL100                         |
| 161000                 | DN-QLB                           |
| 160865                 | DN-QG12-1-2                      |
| 160866                 | DN-QG12-2-2                      |
| 160868                 | DN-QKBD12                        |