

Data Sheet | Item Number: 2016-499

Step-down jumper; from 2016/2010 to 2010/2006/2004/2002 series; from 2216/2210 to 2210/2206/2204/2202 series; insulated; light gray

<https://www.wago.com/2016-499>



Color: ■ light gray

Electrical data

Ratings per IEC/EN

| | |
|---------------|------|
| Rated current | 57 A |
|---------------|------|

Physical data

| | |
|-------------------|-----|
| Jumper assignment | 1-2 |
|-------------------|-----|

Material data

Note (material data)

[Information on material specifications can be found here](#)

| | |
|-------|------------|
| Color | light gray |
|-------|------------|

| | |
|----------------|---|
| Material group | I |
|----------------|---|

| | |
|---------------------|------------------|
| Insulation material | Polyamide (PA66) |
|---------------------|------------------|

| | |
|-----------------------------|----|
| Flammability class per UL94 | V0 |
|-----------------------------|----|

| | |
|-----------|----------|
| Fire load | 0.016 MJ |
|-----------|----------|

| | |
|--------|-------|
| Weight | 3.3 g |
|--------|-------|

Commercial data

| | |
|---------------|---------------|
| Product Group | 22 (TOPJOB S) |
|---------------|---------------|

| | |
|-------------|-------------|
| eCl@ss 10.0 | 27-14-11-40 |
|-------------|-------------|

| | |
|------------|-------------|
| eCl@ss 9.0 | 27-14-11-40 |
|------------|-------------|

| | |
|----------|----------|
| ETIM 8.0 | EC000489 |
|----------|----------|

| | |
|----------|----------|
| ETIM 7.0 | EC000489 |
|----------|----------|

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|----------|--------|
| PU (SPU) | 25 pcs |
|----------|--------|

| | |
|----------------|-----|
| Packaging type | Bag |
|----------------|-----|

| | |
|-------------------|----|
| Country of origin | DE |
|-------------------|----|

| | |
|------|---------------|
| GTIN | 4055143702461 |
|------|---------------|

| | |
|-----------------------|-------------|
| Customs tariff number | 85366990990 |
|-----------------------|-------------|

| Environmental Product Compliance | |
|----------------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |

Approvals / Certificates

Declarations of conformity and manufacturer's declarations



| Approval | Standard | Certificate Name |
|-------------------------------|----------|------------------|
| Railway WAGO GmbH & Co. KG | - | Railway Ready |

Downloads

Environmental Product Compliance

| Compliance Search | |
|---|-------------------|
| Environmental Product Compliance 2016-499 | ↓ |

Documentation

| Bid Text | | | |
|----------|------------|-----------------|-------------------|
| 2016-499 | 19.02.2019 | xml 2.55 KB | ↓ |
| 2016-499 | 28.04.2017 | doc 23.50 KB | ↓ |

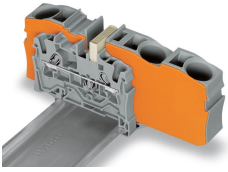
CAD/CAE-Data

| CAD data | |
|--------------------------|-------------------|
| 2D/3D Models 2016-499 | ↓ |

| CAE data | |
|-------------------------------|-------------------|
| EPLAN Data Portal 2016-499 | ↓ |
| WSCAD Universe 2016-499 | ↓ |
| ZUKEN Portal 2016-499 | ↓ |

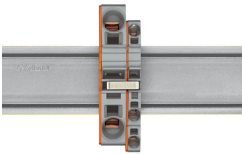
Installation Notes

Commoning



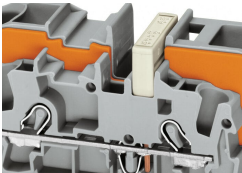
Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point. Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.

Commoning



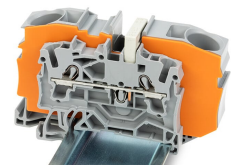
Using **step-down jumpers**, an end plate must be inserted between the terminal blocks to be commoned.

Commoning



Commoning with step-down jumpers.

Commoning



Step-down jumper (2016-499) commons 16/10 mm² (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm² (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).