

## PRODUCT-DETAILS

# TW409S

## TW409S Wall-mounting cabinet



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | TW409S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product ID            | 2CPX010194R9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EAN                   | 4011617101949                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Catalog Description   | TW409S Wall-mounting cabinet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Long Description      | <p>Wall-mounting cabinet, series TwinLine, empty cabinet, for the internal use, with Door, class of protection II (double insulated), degree of protection IP55, applicable standards: EN 61439-1, EN 61439-2, EN 61439-3, IK code 08, powder-coated, in RAL 7035, enclosure out of sheet steel, double door, door out of sheet steel, with Standard locking mechanism double bit, door opening angle 180 degree, door hinge right and left, rear wall out of sheet steel, cable entry on top via flange opening pre-cut, on bottom via flange opening pre-punched, on side via flange opening pre-punched, dimensions in mm (H x W x D): 1400 x 1050 x 350, Grid unit 9 GU, Overall height 5, panel width 4, Space units 432, pre-assembled for installation of metering-, modules, Combi-Sets, CombiLine-Modul or mounting plate on EDF-/WR-mounting frame</p> |

### Technical

|                           |                                                                                  |
|---------------------------|----------------------------------------------------------------------------------|
| Standards                 | DIN EN 61439-3<br>DIN EN 61439-2                                                 |
| Product Name              | Wall-mounting cabinet                                                            |
| Power Loss                | $\Delta t = 20K$ 197.1 W<br>$\Delta t = 25K$ 260.2 W<br>$\Delta t = 30K$ 326.4 W |
| Number of Flange Openings | 4                                                                                |
| Number of Conduit Inlets  | 208                                                                              |
| Number of Rows            | 9                                                                                |

|                          |                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ABB Product Family       | TwinLine N 55                                                                                                                 |
| Configuration Type       | pre-assembled for installation of metering-, modules, Combi-Sets, CombiLine-Modul or mounting plate on EDF-/WR-mounting frame |
| Cover Plate Type         | None                                                                                                                          |
| Enclosure Type           | Wall-mounting cabinet                                                                                                         |
| Enclosure Type of Height | 5                                                                                                                             |
| Mounting Type            | Surface-mounted                                                                                                               |
| Door Type                | Double                                                                                                                        |
| Surface Finishing        | powder-coated                                                                                                                 |
| Housing Material         | Steel plate/plastic                                                                                                           |
| Cover Style              | with Notch                                                                                                                    |
| DIN Place Units          | 432                                                                                                                           |
| RAL Number               | RAL 7035 - Light Grey                                                                                                         |
| Color                    | Light grey                                                                                                                    |
| Thickness                | Cabinet plate 1 mm<br>Door plate 1.5 mm                                                                                       |

## Environmental

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Degree of Protection      | IP55                                              |
| Protection Class          | Isolated                                          |
| Environmental Information | 2CPC100001X0201                                   |
| SCIP                      | a9384434-706f-4938-bb0f-956739599fbf Germany (DE) |
| Simplified SCIP           | a9384434-706f-4938-bb0f-956739599fbf Germany (DE) |

## Dimensions

|                                     |           |
|-------------------------------------|-----------|
| Width in Number of Modular Spacings | 48        |
| Product Net Width                   | 1050 mm   |
| Product Net Height                  | 1400 mm   |
| Product Net Depth / Length          | 350 mm    |
| Product Net Weight                  | 60.304 kg |
| Built-In Depth (t <sub>2</sub> )    | 299 mm    |

## Container Information

|                                |                       |
|--------------------------------|-----------------------|
| Package Level 1 Units          | pack 1 piece          |
| Package Level 1 Width          | 1110.000 mm           |
| Package Level 1 Height         | 1410.000 mm           |
| Package Level 1 Depth / Length | 400.000 mm            |
| Package Level 1 Gross Weight   | 62.734 kg             |
| Package Level 1 EAN            | 4011617101949         |
| Package Level 2 Units          | pallet (lift) 2 piece |
| Package Level 2 Width          | 800.000 mm            |
| Package Level 2 Height         | 1584.000 mm           |
| Package Level 2 Depth / Length | 1200.000 mm           |
| Package Level 2 Gross Weight   | 140.642 kg            |

---

## Ordering

---

|                         |              |
|-------------------------|--------------|
| Minimum Order Quantity  | 1 piece      |
| Customs Tariff Number   | 85381000     |
| Country of Origin       | Germany (DE) |
| Selling Unit of Measure | piece        |

---

---

## Certificates and Declarations (Document Number)

---

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Declaration of Conformity<br>- CE | 9AKK107992A4839                    |
| Environmental Information         | 2CPC100001X0201                    |
| Instructions and Manuals          | 2CPC016708M5601<br>2CPC119660M5601 |

---

---

## Popular Downloads

---

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Data Sheet, Technical<br>Information | 2CPC000001C0101<br>2CPC000002C0101<br>2CPC000003B0101 |
| Instructions and Manuals             | 2CPC016708M5601<br>2CPC119660M5601                    |

---

---

## Classifications

---

|                            |                                |
|----------------------------|--------------------------------|
| ETIM 6                     | EC000058 - Empty cabinet       |
| ETIM 7                     | EC000058 - Empty cabinet       |
| ETIM 8                     | EC000058 - Empty cabinet       |
| EPLAN Catalog Tree         | Mechanics / Housings / General |
| WEEE Category              | Product Not in WEEE Scope      |
| CN8                        | 85381000                       |
| Object Classification Code | U                              |

---

---

## Accessories

---

| Identifier      | Description                        | Type  | Quantity | Unit Of Measure |
|-----------------|------------------------------------|-------|----------|-----------------|
| 2CPX010450R9999 | TZ101 Flange                       | TZ101 | 1        | piece           |
| 2CPX010452R9999 | TZ102 Flange                       | TZ102 | 1        | piece           |
| 2CPX010454R9999 | TZ103 Flange                       | TZ103 | 1        | piece           |
| 2CPX010456R9999 | TZ104 Flange                       | TZ104 | 1        | piece           |
| 2CPX010457R9999 | TZ105 Flange                       | TZ105 | 1        | piece           |
| 2CPX010458R9999 | TZ106 Flange                       | TZ106 | 1        | piece           |
| 2CPX010460R9999 | TZ107 Flange                       | TZ107 | 1        | piece           |
| 2CPX010487R9999 | TZ503 Enclosure accessories        | TZ503 | 1        | piece           |
| 2CPX010488R9999 | TZ504 Enclosure accessories        | TZ504 | 1        | piece           |
| 2CPX010489R9999 | TZ505 Enclosure accessories        | TZ505 | 1        | piece           |
| 2CPX010490R9999 | TZ506 Enclosure accessories        | TZ506 | 1        | piece           |
| 2CPX010494R9999 | TZ510 Enclosure accessories        | TZ510 | 1        | piece           |
| 2CPX010503R9999 | TZ608 Accessory cabinet connection | TZ608 | 1        | piece           |
| 2CPX010504R9999 | TZ609 Accessory cabinet connection | TZ609 | 1        | piece           |
| 2CPX010505R9999 | TZ610 Enclosure accessories        | TZ610 | 1        | piece           |
| 2CPX010850R9999 | TZ110 Flange                       | TZ110 | 1        | piece           |
| 2CPX010851R9999 | TZ111 Flange                       | TZ111 | 1        | piece           |
| 2CPX010852R9999 | TZ112 Flange                       | TZ112 | 1        | piece           |
| 2CPX038001R9999 | ZL8 Enclosure accessories          | ZL8   | 1        | piece           |
| 2CPX038227R9999 | ZA6 Enclosure accessories          | ZA6   | 1        | piece           |
| 2CPX038228R9999 | ZA5 Enclosure accessories          | ZA5   | 1        | piece           |
| 2CPX038233R9999 | ZA13 Enclosure accessories         | ZA13  | 1        | piece           |

## Categories

Low Voltage Products and Systems → Enclosures → Sub Distribution Boards → Sub Distribution Boards → TwinLine N 55 - Welded

