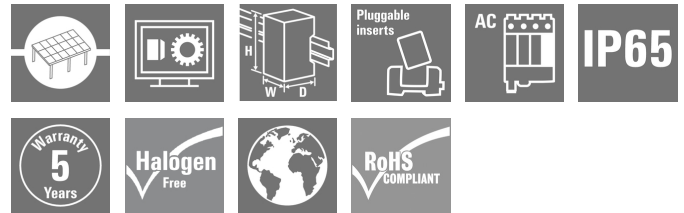


PV 40401S2V1C2A1ES**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Your best option for AC protection.**

Designed to work with different string inverters, Weidmüller has developed this standard configurations of AC combiner boxes based upon recurring customer requirements.

Depending on the version, the combiner boxes can contain fuses and surge protection. These combiner boxes are specially designed for major string inverter manufacturers worldwide.

General ordering data

| | |
|------------|--|
| Version | Photovoltaics, Assembled enclosure, Combiner Box, AC voltage version, With fuse holder, Surge protection I, Cable gland, String Inverter |
| Order No. | 8000069106 |
| Type | PV 40401S2V1C2A1ES |
| GTIN (EAN) | 4064675331216 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 350 mm | Depth (inches) | 13.78 inch |
| Height | 1,056 mm | Height (inches) | 41.575 inch |
| Width | 852 mm | Width (inches) | 33.543 inch |
| Net weight | 45,000 g | | |

Temperatures

| | |
|---------------------|------------------|
| Ambient temperature | -20 °C to +50 °C |
|---------------------|------------------|

AC electrical properties

| | | | |
|--------------------------|---------------------|---------------|----------|
| Earthing | Directly at the VPU | Rated voltage | 400 V AC |
| Surge protection AC side | Yes | | |

AC inputs

| | | | |
|------------|---------|---------------------|---|
| Cable type | regular | Number of AC inputs | 3 |
|------------|---------|---------------------|---|

AC outputs

| | | | |
|---------------------------------|-----------------------|----------------------|---|
| AC output cable connection type | Screw connection, M12 | Number of AC outputs | 1 |
|---------------------------------|-----------------------|----------------------|---|

Housing

| | | | |
|-------------------|------|------------------|---------------|
| Protection degree | IP65 | Type of mounting | Wall mounting |
|-------------------|------|------------------|---------------|

Norms and standards

| | |
|-----------|-------------------------------------|
| Standards | IEC 61439-2 ed 2.0, EN 61439-2:2011 |
|-----------|-------------------------------------|

Guarantee

| | |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

Enclosure

| | | | |
|-------------------------------|---|----------------------|---|
| Connection type string | Internal terminal (with cable gland feed-through) | Enclosure attachment | Fixing lugs |
| Impact resistance | IK10 in accordance with IEC 62262 | Insulating material | Polyester glass-fibre reinforced, Polycarbonate |
| Switch disconnector execution | no switch | Type of mounting | Wall mounting |

General data

| | | | |
|-----------------------|---|-------------------|------|
| Installation location | Protected outdoor area (>1 km from sea) | Protection degree | IP65 |
| Standards | IEC 61439-2 ed 2.0, EN 61439-2:2011 | | |

Surge protection DC side

| | | | |
|---------------------------------|-------|-----------|-------------------------------------|
| Short-circuit current I_{SCP} | 136 A | Standards | IEC 61439-2 ed 2.0, EN 61439-2:2011 |
|---------------------------------|-------|-----------|-------------------------------------|

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www.weidmueller.com**Technical data****Classifications**

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002928 | ETIM 7.0 | EC002928 |
| ETIM 8.0 | EC003857 | ETIM 9.0 | EC003857 |
| ECLASS 9.0 | 22-57-92-03 | ECLASS 9.1 | 22-57-02-90 |
| ECLASS 10.0 | 22-57-02-90 | ECLASS 11.0 | 22-57-02-92 |
| ECLASS 12.0 | 22-57-02-92 | ECLASS 13.0 | 22-57-02-92 |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Approvals

Approvals

**Downloads**

| | |
|--------------------|--|
| User Documentation | User Manual PV AC Combiner boxes EU Declaration of Conformity |
| Catalogues | Catalogues in PDF-format |

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Drawings

