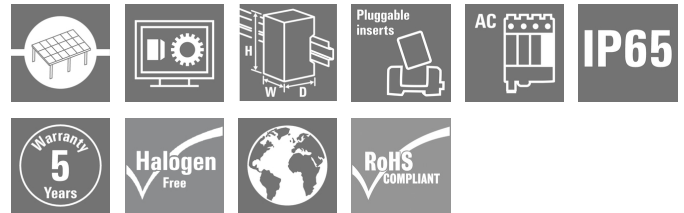


PV 40401S2V1C2A1ES**Weidmüller Interface GmbH & Co. KG**

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).

PV 40401S2V1C2A1ES

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	37,806.039 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	480V AC, type I, I _{max} = 50kA, U _p ≤ 2.1kV, without auxiliary contact		

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 disconnecter 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 _{SCPV}	136 A	Standards	IEC 61439-2 ed 2.0, EN 61439-2:2011
---	-------	-----------	-------------------------------------

Creation date July 2, 2024 9:42:24 PM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

PV 40401S2V1C2A1ES

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

