

PV CPCI20TXU3DXAXWXR2WW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Connecting photovoltaic power plants through reliable and safe industrial communications.**

Weidmüller combined its extensive experience with photovoltaic projects and industrial communication to create this portfolio of PV Communication Boxes. For this portfolio we developed 2 different product ranges:

- The “Premium” family is our most robust product. Designed to offer constant connectivity thanks to its back-up power system. And thereby offers you reliability and power in one solution.
- The new “Lite” family offers you the same signal connectivity on site as the “Premium” version, but in a more compact version.

General ordering data

| | |
|------------|---|
| Version | Photovoltaics, Assembled enclosure, Communication module, 230 V AC, Surge protection I, Battery powered, Current monitoring, Monitoring components, Voltage monitoring, Limit value monitoring, Communication Box, RJ45 |
| Order No. | 8000119118 |
| Type | PV CPCI20TXU3DXAXWXR2WW |
| GTIN (EAN) | 4099986783300 |
| Qty. | 1 pc(s). |

PV CPC120TXU3DXAXWXR2WW

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 300 mm | Depth (inches) | 11.811 inch |
| Height | 747 mm | Height (inches) | 29.409 inch |
| Width | 536 mm | Width (inches) | 21.102 inch |
| Net weight | 25,000 g | | |

DC electrical properties

| | | | |
|--------------------------|---|--|-------|
| Earthing | Directly at the VPU | Rated voltage | 230 V |
| Surge protection AC side | PU I 1+1 LCF 280V/12.5kA, without auxiliary contact | Surge protection WIA RS485 side (string monitoring) | No |

DC inputs

| | | | |
|--------------------------|---|------------------|---|
| Number of conduit inlets | 2 | Number of inputs | 4 |
|--------------------------|---|------------------|---|

DC string monitoring

| | | | |
|---------------------|---|--------|-------------------------------|
| Monitoring function | Industrial PC, Industrial Ethernet managed switch with RJ45 ports, Industrial Ethernet router with RJ45 ports, Connection between field devices to SCADA through RS-485 | Supply | Battery PRO ECO 72W 24V 3A |
| Voltage monitoring | Yes | | |

Housing

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

Norms and standards

| | |
|-----------|--|
| Standards | IEC 61439-2 ed 3.0, EN 61439-2:2020 |
|-----------|--|

Guarantee

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

Enclosure

| | | | |
|----------------------|--|-------------------|--------------------------------------|
| Enclosure attachment | Fixing lugs | Impact resistance | IK10 in accordance with IEC 62262 |
| Insulating material | Polyester glass-fibre rein- forced, Polycarbonate | Type of mounting | Wall mounting |

General data

| | | | |
|-----------------------|--|-------------------|------|
| Installation location | Protected outdoor area (>1 km from sea) | Protection degree | IP65 |
| Standards | IEC 61439-2 ed 3.0, EN 61439-2:2020 | | |

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www.weidmueller.com**Technical data****Surge protection DC side**

| | |
|-----------|--|
| Standards | IEC 61439-2 ed 3.0, EN 61439-2:2020 |
|-----------|--|

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 |
| ECLASS 14.0 | 22-57-02-92 | | |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Declaration of of conformity utility communication boxes |
| Engineering Data | Thermal Report |
| Technical Documentation | Mechanical Drawing |
| User Documentation | PV Communication Box User Manual |
| Catalogues | Catalogues in PDF-format |

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Drawings

