

IO-Link-Adapter-Emparro20-Pro

IO-Link adapter for plugging onto the Emparro20-Pro switching power supplies  
The IO-Link communication adapter allows diagnostics and configuration of the Emparro20-Pro switched-mode power supplies  
IO-Link Device V1.1.2

Link to Product

Illustration



Product may differ from Image



| General product information             |                                         |
|-----------------------------------------|-----------------------------------------|
| Manufacturer name                       | Murrelektronik                          |
| Manufacturer product designation        | IO-Link-Adapter-Emparro20-Pro           |
| Manufacturer product root               | Trafos/Netzgeräte                       |
| Manufacturer product family             | Sonstiges                               |
| Manufacturer product type               | transformers + power supply accessories |
| URI manufacturer                        | https://www.murrelektronik.com/         |
| Electrical data   Supply                |                                         |
| Operating voltage IO-Link DC min.       | 18 V                                    |
| Operating voltage IO-Link DC max.       | 30 V                                    |
| Electrical data   Input                 |                                         |
| Input voltage DC                        | 24 V                                    |
| Input voltage DC min.                   | 18 V                                    |
| Input voltage DC max.                   | 30 V                                    |
| Input current DC max.                   | 50 mA                                   |
| Input current IO-Link max.              | 50 mA                                   |
| Voltage type input                      | DC                                      |
| Electrical data   Output                |                                         |
| Output current IO-Link per channel max. | 50 mA                                   |
| Industrial communication   IO-Link      |                                         |
| IO-Link revision ID                     | V1.1.2                                  |

|                           |                    |
|---------------------------|--------------------|
| IO-Link transmission rate | COM2 (38.4 kbit/s) |
|---------------------------|--------------------|

|                                    |         |
|------------------------------------|---------|
| Device ID (decimal)                | 524815  |
| IO-Link process data length input  | 7 Bytes |
| IO-Link process data length output | 3 Bytes |
| IO-Link cycle time min.            | 20 ms   |
| IO-Link SIO-Mode                   | yes     |

#### Installation

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| Connection cross section min.                           | 0,2 mm <sup>2</sup>  |
| Connection cross section max.                           | 1,5 mm <sup>2</sup>  |
| Cross section connection with wire end ferrule min.     | 0,25 mm <sup>2</sup> |
| Cross section connection with wire end ferrule max.     | 0,75 mm <sup>2</sup> |
| AWG number min.                                         | 25                   |
| AWG number max.                                         | 16                   |
| Cross section connection with wire end ferrule AWG min. | 24 AWG               |
| Cross section connection with wire end ferrule AWG max. | 18 AWG               |

#### Installation | Connection

|                  |      |
|------------------|------|
| Stripping length | 8 mm |
|------------------|------|

#### Device protection | Electrical

|                                     |                  |
|-------------------------------------|------------------|
| Installation height max. ASL        | 5000 m           |
| Degree of protection (EN IEC 60529) | IP20             |
| Pollution Degree                    | 2                |
| Protective circuitry input          | Suppressor diode |
| Over voltage protection             | yes              |

#### Device protection | Mechanical

|              |                    |
|--------------|--------------------|
| Cooling type | Natural convection |
|--------------|--------------------|

#### Mechanical data | Material data

|                                     |         |
|-------------------------------------|---------|
| Combustibility class housing (UL94) | V-0     |
| Material housing                    | Plastic |

#### Mechanical data | Mounting data

|                 |            |
|-----------------|------------|
| Net weight      | 9 g        |
| Mounting method | geschnappt |
| Height          | 44,2 mm    |
| Width           | 19,1 mm    |
| Depth           | 17,5 mm    |

#### Environmental characteristics | Climatic

|                                    |                       |
|------------------------------------|-----------------------|
| Ambient temperature min.           | -40 °C                |
| Ambient temperature max.           | 70 °C                 |
| Storage temperature min.           | 5 °C                  |
| Storage temperature max.           | 35 °C                 |
| Relative humidity min. (operation) | 5 % no dew formation  |
| Relative humidity max. (operation) | 95 % no dew formation |

#### Technical Data | Reliability

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| MTBF                            | 4160000 h, DIN EN 61709:1999-01, DIN EN ISO 13849-1:2008-12, SN 29500 |
| Additional condition MTTF, MTBF | 40 °C                                                                 |

#### Environmental product conformity

|            |                   |
|------------|-------------------|
| REACH      | (EC) No 1907/2006 |
| REACH-SVHC | compliant         |

|                        |                            |
|------------------------|----------------------------|
| RoHS                   | 2011/65/EU   Exception 7c1 |
| China RoHS             | compliant   EUP 25         |
| WEEE                   | compliant                  |
| Halogen-free-Material  | Material not Halogen-free  |
| Pb-free-Material       | Material not Pb-free       |
| <b>Conformity</b>      |                            |
| CE                     | 2014/30/EU                 |
| EMC                    | 2014/30/EU                 |
| Low Voltage Directive  | 2014/35/EU                 |
| <b>Approvals</b>       |                            |
| UL                     | E200364                    |
| <b>Commercial data</b> |                            |
| customs tariff number  | 85389099                   |
| GTIN                   | 4048879910637              |
| Packaging unit         | 1                          |