

## Data sheet 1U0022\_CSE/CO

<b>Power supply</b>	230 VAC
Max. power consumption	3 W
Frequency	50 Hz
Surge protection category	OVC III
Hold up time	200 ms
Mating connector	3-pole screw connection with pull sleeve (middle is not connected)
Plugs	CLASSIC COMBICON
Connection cross section	0,2 mm <sup>2</sup> .. 2,5 mm <sup>2</sup>
Tightening torque	0,5 Nm ... 0,6 Nm
Stripping length	7 mm
Dielectric strength	4 kV
Cable length	max. 1 m
<b>Ambient conditions</b>	
Operating temperature range	-5 °C ... 55 °C
Storage temperature range	-5 °C ... 55 °C
max. operating altitude	≤ 3000 m
Humidity	25 % ... 90 % relative humidity (not condensing)
Pollution degree	2
Protection class	class II when mounted as intended
<b>Relays</b>	2 x changeover W3 und W4 with NO, COM and NC 2 x normally open S1 and S2 with NO and COM
Surge protection category	OVCII
Connection type	Mating connector 2-pole und 3-pole screw connection with pull sleeve
Plugs	CLASSIC COMBICON
Current relay S1 und S2	max. 130 mA (resistive)
Current relay W3 und W4	max. 120 mA (resistive)
Switching voltage	300V AC rms / 300 VDC
Connection cross section	0,2 mm <sup>2</sup> ... 2,5 mm <sup>2</sup>
Tightening torque	0,5 Nm ... 0,6 Nm
Stripping length	7 mm
Dielectric strength	4 kV
Cable length	max. 30 m

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<b>14-pole plug</b>	RS232, RS485, Service-In
Mating connector type	PCB connector with push-in-springconnector
Plugs	MICRO COMBICON – DFMC 0,5
Connection cross section	0,14 mm <sup>2</sup> ... 0,5 mm <sup>2</sup>
Stripping length	7 mm
Cable length	max. 30 m
<b>Housing</b>	
Dimensions	71,6 mm x 89,7 mm x 69,4 mm (4 TE)
Color	light grey
Flammability class according to UL 94	V0
Weight	225 g (without mating plugs)
<b>Processor &amp; Memory</b>	
Processor	NXP i.MX6ULL
Clock frequency	792 MHz
RAM	512 MB
eMMC NAND Flash	8 GB
EEPROM	4 kB
<b>Network</b>	
Quantity	3x ETH-PHY
Characteristic	no switch – physically isolated interfaces
Cable length	max. 100 m
<b>RS485 (RJ45)</b>	
Quantity	1x RS485 RJ45-Stecker
Cable length	max. 100 m
<b>USB</b>	
Cable length Micro-USB 2.0	max. 3 m
<b>CE Conformity</b>	yes
<b>Norms</b>	according to VDE FNN Lastenheft Steuerbox

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### Interfaces

- **Leaflet HEMS 1U0022\_CSE**  
Consolinno Standard Edition
- **Leaflet HEMS 1U0022\_CO**  
Consolinno Extended Edition

### Relays

- 2x changeover contact
- 2x normally open

### LAN (RJ45)

- 3x 10/100 MBit

### RS485 (RJ45)

- 1x RS485

### 14-pole plug:

- 1x RS232
- 1x RS485
- Service IN

### Wireless (CO-Version only):

- wMBUS
- BLE
- Zigbee

### micro-USB

- 1x micro-USB

## Disposal

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Datasheet 1U0022 Leaflet HEMS V2 english

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