Reference: CPTDINAV53HS2BX

POWER SUPPLY 90 to 260V AC/DC OUTPUT DIGITAL INPUT None INPUT TYPE 3-phase AC CONNECTION CT/VT COMMUNICATION RS232 Others RANGE 400/(690)VLL 5(6)AAC DISPLAY None VARIABLES V, A, Hz, W,VA, var, PF, kWh, kvarh, Hours DIGITAL INPUTS none PULSE none ALARMS 1 ANALOGUE none

Buy it at Electric Automation Network

Energy Management Compact Power Transducer Type CPT-DIN “Basic version”
• RS232 serial port on request
• Alarms (only from serial communication port) VLN, An
• Class 2 (active energy)
• Class 3 (reactive energy)
• Accuracy ±0.5 F.S. (current/voltage)
• Compact Power transducer
• Instantaneous variables data format: 4 digit
• Energies data format: 8+1 digit
• System variables and phase measurements: W, Wdmd, Wdmdmax, var, VA, VAdmd, PF, V, A, An, Admd, Amax, Admd max, Hz
• Energy measurements: kWh and kvarh
• Hour counter (5+2 DGT)
• TRMS meas. of distorted sine waves (voltages/currents)
• Power supply: 90 to 260VAC/DC and 18 to 60VAC/DC
• Protection degree (front): IP20
• Dimensions: 45x83.5x98.5mm
• RS422/485 serial port
Product Description
How to order CPT-DIN AV5 3 HS1 BX
3-phase compact power transducer. Particularly rec- ommended for the measure- ments of the main electrical variables.
Housing for DIN-rail mount-
ing, protection degree IP20 as standard, and RS485 or RS232 serial port. Parameters programmable by means of CptBSoft.
Model Range code System
Power supply Outputs Option
How to order
CptBSoft-kit

Type Selection
CptBSoft: software to program the working parameters of the transducer and to read the energy and the instanta- neous variables. The kit includes the communication cable.
Range codes
AV5: 400/(690)VL-L/5(6)AAC VL-N: 185 V to 460 V VL-L: 320 V to 800 V
AV6: 120/(208)VL-L/5(6)AAC VL-N: 45 V to 145 V
VL-L: 78 V to 250 V Phase current: 0.03A to 6A Neutral current: 0.09 to 6A
System
3 :1, 2 or 3-phase, unbalanced and balanced load, with or without neutral
1 :1-3-phase, balanced load (*)
Power supply
L: 18 to 60VAC/DC
H: 90 to 260VAC/DC
(*)Pay attention:the 3-phase measurement is carried out as one current and one phase to neutral voltage measurement.
Outputs
S1: RS485 port
S2: RS232 port
Options
BX: Basic features
Inputspecifications
Rated inputs
Current3 (current transformers) Voltage4
Accuracy (RS485/RS232)with CT=1 and VT=1 AV5: (@25°C ±5°C, R.H. ≤60%)1150W-VA-var, FS:230VLN,
400VLL AV6: 285W-VA-var, FS: 57VLN, 100VLL
Current 0.25 to 6A: ±(0.5% FS +1DGT)
0.03Ato0.25A:±(0.5%FS+7DGT) Neutral current0.25 to 6A: ±(1.5% FS +1DGT)
0.09Ato0.25A:±(1.5%FS+7DGT)
Phase-phase voltage ±(1.5% FS + 1DGT) Phase-neutral voltage ±(0.5% FS + 0.1DGT)
Active and Apparent power,0.25 to 6A: ±(1%FS +1DGT)
0.03A to 0.25A: ±(1%FS+5DGT)
Reactive power 0.25 to 6A: ±(2% FS +1DGT)
0.03A to 0.25A: ±(2% FS +5DGT) Active energy Class 2 (I start up: 30mA) Reactive energyClass 3 (I start up: 30mA) Frequency±0.1Hz (48 to 62Hz)
Atd>Humidity≤0.3% FS, 60% to 90% RH
Temperature drift≤ 200ppm/°C
Sampling rate1400 samples/s @ 50Hz
1700 samples/s @ 60Hz
Measurement refresh time 700ms
Measurement format
Instantaneous variables4 DGT (Max indication: 9999) Energies 9 DGT (Max indication: 999 999 99.9)
Hour counter 7 DGT (Max. indication:
9 999 9.99)