Reference: WM14DINAV53BPG

Selected parameters FUNCTION Power Analyzers MOUNTING DIN Rail POWER SUPPLY 48VAC OUTPUT DIGITAL INPUT DC output (Open Collector) INPUT TYPE 3-phase AC CONNECTION CT/VT COMMUNICATION None Others RANGE 320V to 800VLL 1/5(6)AAC DISPLAY 3x3 DGT VARIABLES kWh, kvarh, W, Wdmd, var, VA, VAdmd, PF, V, A, An, Admd, Hz, Amax, Admd max, Wdmd max DIGITAL INPUTS none PULSE 1 ALARMS Virtual ANALOGUE none

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Energy Management
Power Analyzer
Type WM14-DIN “Basic Version”
• Class 1 (active energy)
• Class 2 (reactive energy)
• Accuracy ±0.5 F.S. (current/voltage)
• Power analyzer
• Display of instantaneous variables: 3x3 digit
• Display of energies: 8+1 digit
• System variables and phase measurements: W, Wdmd, var, VA, VAdmd, PF, V, A, An, Admd, Hz
• Amax, Admd max, Wdmdmaxindication
• Energy measurements: kWh and kvarh
• Hour counter (5+2 DGT)
• TRMS meas. of distorted sine waves (voltages/currents)
• Power supply: 24V, 48V, 115V, 230V, 50-60Hz 18 to 60VDC
• Optional dual pulse output
• Alarms (visual only) VLN, An
• Optional galvanically insulated measuring inputs
Product Description
• Protection degree (front): IP40
• Front dimensions: 107.8x90mm
• Optional RS422/485 serial port
How to orderWM14-DIN AV5 3 D PGX
3-phase power analyzer with built-in programming key- pad. Particularly recommended for displaying the main electrical variables. Housing for DIN-rail mount-

ing, (front) protection degree IP40, and optional RS485 serial port or dual pulse output. Parameters pro- grammable by means of CptBSoft.
Model Range code System
Power supply
Option
How toorder
CptBSoft
Type Selection
CptBSoft (compatible only with S or SG options): software to program the working parameters of the power analyzer and to read the energy and the instantaneous variables.
Range codes
AV5: 380/660VL-L/5(6)AAC VL-N: 185 V to 460 V VL-L: 320 V to 800 V
AV6: 120/208VL-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
Inputspecifications
System
3 :1-2-3-phase, balanced/unbalanced load,with or without neutral
Power supply
A: 24VAC
-15+10%, 50-60Hz
B: 48VAC
-15+10%, 50-60Hz
C: 115VAC
-15+10%, 50-60Hz
D: 230VAC
-15+10%, 50-60Hz
3:18 to 60VDC (not available in case of SG or PG options)
Options
X: None
S: RS485 port
SG:RS485+galvanic insu- lated measurig inputs
PG:Dual pulse output+ galvanically insulated measuring inputs.
Rated inputs
Current “X-S options”3 (non insulated each other) Current “SG-PG options”3 (insulated each other) Voltage4
Accuracy (display, RS485)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:±(0.5%FS+7DGT)
Phase-phase voltage ±(1.5% FS +1 DGT) Phase-neutral voltage ±(0.5% FS + 1 DGT)
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 “X-S option” Class 2 (start up “I”: 30mA) Reactive energy “X-S option”Class 3 (start up “I”: 30mA) Active energy “SG-PG opt.” Class 1 (start up “I”:

30mA) Reactive energy “SG-PG opt.” Class 2 (start up “I”: 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
Display refresh time700ms
Display
TypeLED, 9mm
Read-out for instant. var.3x3 DGT
Read-out for energies 3+3+3 DGT (Max indication:
999 999 99.9)
Read-out for hour counter 1+3+3 DGT (Max. indication:
9 999 9.99)
Specifications are subject to change without noticeWM14 DIN B DS ENG210508 1