



TECHNICAL SPECIFICATION

METERS APPROVED TO IEC 62052-11, IEC 62053-21, IEC 62053-22, IEC 62053-23
 CLASS 0.2S (IEC 62053-22) LARGE CHARACTER DISPLAY ONLY
 A1700 – VISION MODEL CODE

V _{ref}		I _b	I _{max}
L-L	L-N		

MODEL

TYPE (nameplate)

example: P B 3 A A B R C T P R A - 1 A

P	B	3	A	A	B	R	C	T	P	R	A	-	1	A
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PRODUCT/TERMINATION

Polyphase A1700 Vision BS/DIN termination

SERVICE TYPE

3 ph 4 wire & 1ph 2w
 3Ph 3W

CURRENT RANGE

Direct Connected 10A – 100A IEC 62053-21 (See note 4) (EN 50470-3) **A**
 CT Operated 5A — 6A or 5A — 10A IEC 62053-21 (See note 1) (EN 50470-3) **C**
 CT Operated 1A — 2A IEC 62053-21 (See note 1) (EN 50470-3) **D**
 CT Operated 5A — 6A or extended range 5A -10A IEC 62053-22 (See note 3) EN 50470-3 (See note 1) **F**
 CT Operated 1A — 1.2A or extended range 1A — 2A IEC 62053-22 see note 1 EN 50470-3 (see note 3) 3ph 4w only or 3ph 3w only **K**

VOLTAGE

63.5V — 240V (L—N) (57.5V 3ph 4wire only) (See note 2 for Ref voltage ranges) **A**
 100V- 415V (L—L) (See note 2 for Ref voltage ranges) **B**

ACCURACY CLASS

Class 0.5 50 Hz (IEC 62053-22 & 62053-23 see note 3) (Cl.C kWh,(EN 50470-3) **A**
 Class 1 50 Hz (IEC 62053-21 & 62053-23 see note 1) (Cl.B kWh,(EN 50470-3) **B**
 Class 2 50 Hz (IEC 62053-21 & 62053-23 see note 1) (Cl.A kWh,(EN 50470-3) **C**
 Class 0.5 60 Hz (IEC 62053-22 & 62053-23 see note 3) **D**
 Class 1 60 Hz (IEC 62053-21 & 62053-23 see note 1) **E**
 Class 2 60 Hz (IEC 62053-21 & 62053-23 see note 1) **F**
 Class 0.2s 50 Hz (IEC 62053-22 & 62053-23 see note 3) **G**
 Class 0.2s 60 Hz (IEC 62053-22 & 62053-23 see note 3) **H**

HARDWARE CONFIGURATION

Std PCB: No Relays : Extended Terminal Cover **N**
 Std PCB: 4 Relays : Extended Terminal Cover **Y**
 Std PCB: 4 Relays : Extended Terminal Cover with Backlit Display (Revision Suffix 'H' only) **Z**
 Std PCB: 4 Relays : Short Terminal Cover **D**
 Std PCB: 4 Relays : Short Terminal Cover with Backlit Display (Revision Suffix 'H' only) **E**
 Std PCB: 4 Relays : Extended Terminal Cover: Cover with ANSI Port **F**
 Std PCB: 4 Relays : Ext Terminal Cover, additional Voltage Screw **G**
 Std PCB: 4 Relays : Ext Terminal Cover Backlit Display, additional Voltage Screw (Revision Suffix 'H' only) **H**
 Std PCB: 4 Relays : Extended Terminal Cover with Cutout **J**
 Std PCB: 4 Relays : Ext Term Cover ,Mains Powered Modem Connection **K**
 Std PCB: 4 Relays : Ext Term Cover with Cutout and Mains Powered Modem Connection **L**
 Std PCB: 4 Relays : Ext Term Cover,ANSI Port , Mains Powered Modem Connection **M**
 Std PCB: 4 Relays : Extended Terminal Cover with Clear Flip Lid, special sealing wire **P**
 Std PCB: 4 Relays : Ext Terminal Cover with cutout, additional Voltage Screw **Q**
 Std PCB: 4 Relays : Ext Term Cover: Voltage Protector: Modified Cover (Direct Connected Only) **W**
 Std PCB: 4 Relays : Ext Terminal Cover, Read without power (Revision Suffix 'F' only) **S**
 Std PCB: 4 Relays : Ext Terminal Cover, Auxiliary power supply (Revision Suffix 'F' only) **T**
 Std PCB: 4 Relays : Extended Terminal Cover: Cover with ANSI Port, 9.5mm Terminal block **U**
 Std PCB: 4 Relays : Ext Term Cover,ANSI Port, Mains Powered Modem Connection, 9.5mm Term block **V**
 Std PCB: 4 Relays : Ext Term Cover, Aux PS, additional Voltage Screw (Revision Suffix 'F' only) **B**
 Std PCB: 4 Relays : Ext Term Cover with cutout, Aux PS, Backlit Display (Revision Suffix 'H' only) **C**
 Std PCB: 4 Relays : Ext Term Cover: Voltage Protector: Modified Cover (DC Only) 9.5mm Term block **1**
 Std PCB: 4 Relays : Ext Term Cover with cutout, Aux PS, Backlit Display, additional voltage terminals (Revision Suffix 'H' only) **2**
 Std PCB: 4 Relays : Extended Terminal Cover with Cutout and combi-head main terminal screws **3**

OPERATIONAL MODES

kWh kvarh kVAh & Demand(Import/Export) kvarh = √ VA² - W²

Load profiling (450 days CT & CT- VT operated variant) **C**
 Load profiling (450 days Direct Connected) **E**
 Load profiling (450 days CT & CT- VT operated variant) with Transformer Loss Compensation for Class 0.2s and Class 0.5s meters. **F**

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