

Hardware components

Industry



7KM
PAC1020
new

7KM
PAC2200

7KM
PAC2200 CLP
new

7KM
PAC3200T

7KM
PAC3120

7KM
PAC3220

Installation type

Front mounting Standard mounting rail	■ - -	- ■ -	- ■ -	- ■ -	■ - -	■ - -
Screw mounting						
Withdrawable Fixed-mounted	- -	- -	- -	- -	- -	- -

Measuring connection

Direct measurement	-	■	■	-	-	-
Transformer measurement	■	■	■	■	■	■
Multichannel measuring system	-	-	-	-	-	-

Suitable transformers

Window-type current transformers	■	■	■	■	■	■
Folding transformer	■	■	■	■	■	■
Integrated transformer	-	-	-	-	-	-

Commissioning

MID version	- -	■ -	■ ■	- -	- -	- -
Max. input voltage L-L/L-N	400 V / 230 V	400 V / 230 V	400 V / 230 V	400 V / 230 V	690 V / 400 V	690 V / 400 V
Transformer connection version	x/1 A or x/5 A	x/1 A or x/5 A	x/1 A or x/5 A	x/1 A or x/5 A	x/1 A or x/5 A	x/1 A or x/5 A
Direct connection version	-	65 A	65 A	-	-	-
DC power supply unit with extra-low voltage version	-	-	-	-	DC 22 ... 65 V	DC 22 ... 65 V
Single-phase counter version	-	■	-	-	-	-
Electrically isolated voltage inputs	-	-	-	-	-	-
Version without display (for web interface)	-	-	-	■	-	-

Evaluation

Measured quantities

Average value of measured values	-	■	■	■	■	■
Voltage, current, frequency	■	■	■	■	■	■
Power, power factor	■	■	■	■	■	■

Energy measurement

Daily energy storage	-	60 days	60 days	60 days	60 days	60 days
Apparent Active Reactive energy cos φ	- ■ ■ -	■ ■ ■ -	■ ■ ■ -	■ ■ ■ -	■ ■ ■ -	■ ■ ■ -
Distortion factor THD (voltage, current)	-	-	-	■	■	■
Harmonics (voltage, current)	-	-	-	-	-	-
Phase angle/phase chart	-	-	-	-	-	-
Load profile recording	-	-	■	-	-	-
Flicker acc. to IEC 61000-4-15	-	-	-	-	-	-

Monitoring functions

Operating hours counter	-	-	-	■	■	■
Limit monitoring	-	-	-	■	■	■
Logic functions	-	-	-	■	■	■
Event log	-	-	-	-	-	-
Gateway function	-	-	-	-	-	-
Reporting acc. to EN 50160	-	-	-	-	-	-
Integrated fault recorder	-	-	-	-	-	-

Integrated communication interfaces

Digital inputs/digital outputs	1/1	1/1	1/1	1/1	2/2	2/2
SO-Interface	■	■	■	■	■	■
M-Bus	-	■	-	-	-	-
RS485 (Modbus RTU)	■	■	-	-	■	-
Ethernet with Modbus TCP	-	■	■	■	-	■
BACnet	-	-	-	-	-	-

More information

Catalog LV 10 – 10/2020	See page 10/18	See page 10/18	See page 10/18	See page 10/18	See page 10/18	See page 10/18
-------------------------	----------------	----------------	----------------	----------------	----------------	----------------

Industry

Buildings and infrastructure

Circuit breakers



7KM
PAC4200



7KM
PAC5100



7KM
PAC5200



7KT
PAC1200



7KT
PAC1600



SEM3



3WL



3WL10 /
3VA27



3VA ETU8

■ - -	■ ■ -	■ ■ -	- ■ -	- ■ -	- - ■	- - -	- - -	- - -
- -	- -	- -	- -	- -	- -	■ ■	■ ■	- ■
-	-	-	■	■	-	-	-	-
■	■	■	■	■	-	-	-	-
-	-	-	■	-	■	-	-	-
■	■	■	■	■	■	-	-	-
■	■	■	■	■	■	-	-	-
- -	- -	- -	- -	■ -	- -	- -	- -	- -
690 V/400 V x/1 A or x/5 A	690 V/400 V x/1 A or x/5 A	690 V/400 V x/1 A or x/5 A	400 V/230 V x/5 A	400 V/230 V x/5 A	480 V/277 V 50...1200 A/0,1 A	690 V/400 V integrated	690 V/400 V integrated	690 V/400 V integrated
-	-	-	40/63 A	63/80 A	-	-	-	-
DC 22 ... 65 V	-	-	-	-	-	DC 24 V	DC 24 V	DC 24 V
-	-	-	■	■	■	-	-	-
-	■	■	-	-	-	-	-	-
-	■	■	■	-	■	-	-	-
■	-	-	-	-	-	■	-	-
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
-	-	-	-	-	-	-	-	-
■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	- ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■
■	■	■	-	-	-	■	-	■
2nd to 64th	2nd to 40th	2nd to 40th	-	-	-	2nd to 29th	-	-
■	■	■	-	-	-	-	-	-
■	-	■	-	-	■	■	■	■
-	-	■	-	-	-	-	-	-
■	-	-	-	■	-	■	-	■
■	■	■	-	■	-	■	■	■
■	■	■	-	-	■	-	-	-
>4000 events	■	■	-	-	■	■	■	■
■	-	-	-	-	-	-	-	-
-	-	■	-	-	-	-	-	-
2/2	0/2	0/2	-	1/1	2/1	■	■	■
■	-	-	-	■	-	-	■	■
-	-	-	-	■	-	-	-	-
-	-	-	-	■	■	■	■	■
■	■	■	■	-	■	■	■	■
-	-	-	-	-	■	-	-	-
See page 10/18	See page 10/18	See page 10/18	See page 10/23	See page 10/22	See page 10/24	See page 1/4	See page 1/4 See page 2/12	See page 2/12