

Declaration of Conformity

IEC/EN 61557-12:2018/AMD1:2021



Range: PowerLogic PM3200 series

Products: PM3200, PM3210, PM3250, PM3255

Above product types are prefixed with METSE

We, the undersigned, declare that we performed conformity assessment activities, and that the obtained results demonstrate the conformity¹ of the products declared herein to the specified characteristics listed below:

¹ when subject to correct installation, maintenance and use conforming to their intended purpose, according to applicable regulations and standards in the country where they are installed, to the supplier's instructions and to accepted rules of the art

PMD-II/SD/K70/0.5 (x5 A CT)

PMD-II/SS/K70/0.5 (x5 A CT)

PMD-II/SD/K70/1 (x1 A CT)

PMD-II/SS/K70/1 (x1 A CT)

Legend: PMD/cv/Kt/p

PMD: Performance Measuring and monitoring Device ;Type II

c : Current measurement (S: with sensor, indirect insertion, D: Direct insertion)

v : Voltage measurement (S: with sensor, indirect insertion, D: Direct insertion)

Kt : Temperature Class

p : Active Energy Performance Class

INTRODUCTION

The IEC/EN 61557-12 standard provides basis by which measurement products can be specified, described and evaluated.

The standard specifications cover:

- product performances within a specified temperature range
- product robustness regarding EMC, climatic and mechanical influences
- product safety

1. PRODUCT CHARACTERISTICS

I_n	I_{max}	U_{min} (L-N/L-L)	U_n (L-N/L-L)	U_{max} (L-N/L-L)	CT Ratio (A: A)	PT Ratio (V: V)
5 A	6 A	60/100V	277/480V	332/575V	1 to 32767	1 to 999999
1 A	1.2 A					

Remark: Continuous Overload is 10A

Schneider Electric Industries SAS

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2. FUNCTIONS PERFORMANCE CLASS

Function symbol	Function	Function performance class acc. to IEC 61557-12	Measuring range (with CT ratio = 1:1 and VT ratio = 1:1)	Other complementary characteristics
P	Total active power	1 (x1A CT)	2% $I_n \leq I \leq I_{max}$ PF=1 5% $I_n \leq I \leq I_{max}$ 0,5 Ind, 0,8 Cap	
		0.5 (x5A CT)	1% $I_n \leq I \leq I_{max}$ PF=1 2% $I_n \leq I \leq I_{max}$ 0,5 Ind, 0,8 Cap	
SA	Total apparent power vector	1 (x1A CT)	2% $I_n \leq I \leq I_{max}$	
		0.5 (x5A CT)	2% $I_n \leq I \leq I_{max}$	
QV	Total reactive power vector	2	2% $I_n \leq I \leq I_{max}$ Sin ϕ 1 Ind or 1 Cap 5% $I_n \leq I \leq I_{max}$ Sin ϕ 0,5 Ind or 0,5 Cap 10% $I_n \leq I \leq I_{max}$ Sin ϕ 0,25 Ind or 0,25 Cap	
Ea	Total active energy	1 (x1A CT)	2% $I_n \leq I \leq I_{max}$ PF=1 5% $I_n \leq I \leq I_{max}$ 0,5 Ind 0,8 Cap 0-99999999.9 KWh	Compliance with accuracy requirements of IEC62053-21 Class 1
		0.5(x5A CT)	1% $I_n \leq I \leq I_{max}$ PF=1 2% $I_n \leq I \leq I_{max}$ 0,5 Ind 0,8 Cap 0-99999999.9 KWh	Compliance with accuracy requirements of IEC62053-22 Class 0.5s
ErV	Total reactive energy Vector	2	2% $I_n \leq I \leq I_{max}$ Sin ϕ 1 Ind or 1 Cap 5% $I_n \leq I \leq I_{max}$ Sin ϕ 0,5 Ind or 0,5 Cap 10% $I_n \leq I \leq I_{max}$ Sin ϕ 0,25 Ind or 0,25 Cap 0-99999999.9 Kvarh	Compliance with accuracy requirements of IEC62053-23 Class 2
f	Frequency	0.05	45 Hz – 65 Hz	
I	Phase current	0.5	10% $I_n \leq I \leq I_{max}$	
IN	Neutral current	0.5	10 % $I_n \leq I_N \leq I_{max}$	
U	Voltage (L-L) /(L-N)	0.5	100V-480V / 60V-277V	
PFv	Power factor Vector	0.5	From 0,5 Ind to 0,8 Cap	
THDu	Voltage THD	2.0	0% to 200%	

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THDi THD-Ri	Current THD	2.0	0% to 200%	Only for PM3210, PM3250, PM3255
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3. CLIMATIC

Characteristic	Value	class acc. to IEC 61557-12	class acc. to IEC 60721-3-x
Temperature rated operating range (with specified uncertainty)	-25 °C to +70 °C	K70	3K8H
Temperature limit range of operation (no hardware failures)	-25 °C to +70 °C		3K8H
Temperature limit range for storage / shipping	-40 °C to +85 °C		1K5 / 2K4
Humidity rated operating range (with specified uncertainty)	5% to 95% RH (non-condensing)	---	---
Humidity limit range of operation for 30 days/year			---
Humidity limit range for storage and shipping			---
Altitude	0 to 3000 m		---

4. SAFETY, EMC and MECHANICAL

Characteristic	Reference standard	Level
EMC emission	IEC 61326-1 / CISPR 11	Class B
EMC immunity	IEC 61326-1 Edition 3.0	Table 2, Industrial electromagnetic environment
Product safety	UL/IEC 61010 Edition 3.1 IEC 61010-2-030:2017	Overvoltage / Measurement category III, Pollution degree 2, protective class 2
IP degree	IEC 60529	Front panel IP40; casing IP20 (excluding terminals)

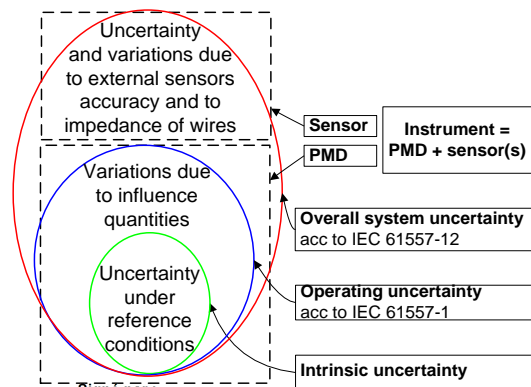
5. RECOMMANDATION FOR SYSTEM PERFORMANCE

The association of a PMD with external current and/or voltage sensors builds a complete instrument.

The system performance class depends on the sensor class and the PMD performance class

See annex C and annex D of IEC 61557-12 for evaluation of the system performance class.

It is recommended that the sensor class should be better or equal to the performance class of its associated PMD.



Signé par :

Marie-Pierre Vayr-Passays

21D71436B5CE42A...
Marie Pierre Vayr-Passays

VP, Customer Satisfaction & Quality Digital Energy

Nom, Fonction / Name, title :

Date et lieu d'établissement / Place and date: Grenoble, France, December 08,2025.

Signature / Signature :

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