



Lloyd's  
Register

## Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate is issued to:

**PRODUCER**

Schneider Electric  
Yrittäjänkatu 15  
65380 Vaasa  
Finland

**DESCRIPTION**

Protection relay series

**TYPES**

Easergy P3 protection relays  
P3 ① - ①②③④⑤ - ⑥ A ⑦⑧ A - ⑨⑩  
Software Version: V. 30.xx  
⑩ Application  
F30 = Feeder  
L30 = Feeder with Line differential and distance  
M30 = Motor  
M32 = Motor with differential  
  
T32 = Transformer protection relay with differential protection  
  
G30 = Generator  
G32 = Generator with differential  
  
① Nominal Supply voltage [V]  
C = Power C 110 - 230 V (80 .. 265Vac/dc, 5 x DO heavy duty, A1, SF)  
D = Power D 24 - 48 V (18 .. 60Vdc, 5 x DO heavy duty, A1, SF)  
  
② I/O Card I

**Certificate No.**

17/20110

**Issue Date**

08 November 2017

**Expiry Date**

07 November 2022

**Sheet**

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LR031.1.2013.12

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# **TYPE (continues)**

A = None  
B = 3BIO+2Arc (3 x BI/BO, 2 x Arc point sensor, T2, T3, T4)  
C = F2BIO+1Arc (Fibre 2 x BI/BO, 1 x Arc loop sensor, T2, T3, T4)  
G = 6DI+4DO (6 x DI, 4 x DO)  
H = 6DI+4DO (6 x DI, 4 x DO(NC))  
I = 10DI (10 x DI)

## **③ I/O Card II**

A = None  
G = 6DI+4DO (6 x DI, 4 x DO)  
H = 6DI+4DO (6 x DI, 4 x DO(NC))  
I = 10DI (10 x DI)

## **④ I/O Card III**

A = None  
G = 6DI+4DO (6 x DI, 4 x DO)  
H = 6DI+4DO (6 x DI, 4 x DO(NC))  
I = 10DI (10 x DI)  
T = 3xI (5/1A) + Io (5/1A) for Generation differential, excludes I/O card in slot 5

## **⑤ I/O Card IV**

A = None  
G = 6DI+4DO (6 x DI, 4 x DO)  
H = 6DI+4DO (6 x DI, 4 x DO(NC))  
I = 10DI (10 x DI)

## **⑥ Option card I**

A = None  
D = 4Arc (4 x Arc sensor)  
K = RS232 (RS232)  
S = Line differential communication card with distance, for F application only  
T = RS232 with line differential interface

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**TYPE (continues)**

**Future option**

A = None

**⑦ Analog measurement card (See application)**

E = 3L(5A)+4U+2Io (5/1A + 1/0.2A)

F = 3L(1A)+4U+2Io (5/1A + 1/0.2A)

K = 3L(5A)+4U+2Io (5/1A + 1/0.2A) with CPU

L = 3L(1A)+4U+2Io (5/1A + 1/0.2A) with CPU

**⑧ Communication interface I**

A = None

B = RS232 (RS232, IRIG-B)

C = RS232+RJ (RS232, IRIG-B + Ethernet RJ-45 100 Mbs)

D = RS232+LC (RS232, IRIG-B + Ethernet LC 100 Mbs)

N = 2xRJ (Ethernet RJ 100 Mbs, RSTP)

O = 2xLC (Ethernet LC 100 Mbs, RSTP)

**Future option**

A = None

**⑨ Display type**

A = 128x64 (128 x 64 LCD matrix)

B = 128x128 (128 x 128 LCD matrix)

**⑩ DI nominal voltage**

1 or A = 24V dc/ac

2 or B = 110 V dc/ac

3 or C = 220 V dc/ac

**ADDITIONNAL TESTS**

Low temperature test: -25°C/16hours

Ingress protection rating: IP54

**APPLICATION**

Marine and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – July 2015.

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#### STANDARDS

Manufacturer's Specification  
EN 60255-26: 2014  
IEC 60255-26: 2013  
EN 60255-27: 2014  
IEC 60255-27: 2013

#### OTHER CONDITIONS

Final functional arrangements are to comply with appropriate Lloyd's Register Rules and Regulations and will be subject of the Plan Approval process on a project tailored basis.

The suitability of the installation is to be demonstrated for each type of switch-, section- and distribution boards, for harmonic filters, motor starter panels, semiconductor converters and transformers, as requested in the relevant paragraph of the Lloyd's Register Rules and Regulations.

An additional short circuit protection is to be provided in form of a hard wired back up System or design diversity unless an LR Software Conformity Assessment has been carried out.

#### PLACE OF PRODUCTION

Crimppi Oy  
Liikekuja 7  
65380 Vaasa  
Finland

*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HTS/ETS 36072-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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