Issued to: Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

For the product: Low-voltage switchgear and controlgear assembly -

Distribution boards intended to be operated by ordinary persons (DBO)

Trade name: Contactum Defender

Type/Model: DDS - CU 1PH 100A 6-16 Way Flexible High Integrity Split Load Dual RCD

Ratings: I_{nA} 100 A, U_e 230 V, U_i 400 V, U_{imp} 4 kV, IP4X, IK05

Icw 10 kA - 0,1 s (comb busbar), Icc 6 kA at 230 V (incoming units)

Icc 6 kA and 10 kA at 230 V (outgoing units)

For more details see annex

Manufactured by: Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

Subject: Design verification; Construction and performance

Requirements: IEC 61439-3, 1st ed. 2012-02

Clauses 10.2.3, 10.2.6, 10.2.7, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9,

10.10.2.3.5, 10.11, 10.12, 10.13

Remarks: The product complies with the above requirements from the standard.

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2217234.13-INC, dated 9 October 2017.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 9 October 2017 Number: 2217234.112

DEKRA Certification B.V.

H.L. Schendstok Certification Manager

© Integral publication of this certificate and adjoining reports is allowed

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands T +31 88 96 83000 F +31 88 96 83100 www.dekra-certification.com Company registration 09085396

Issued to: Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

For the product: Low-voltage switchgear and controlgear assembly -

Distribution boards intended to be operated by ordinary persons (DBO)

Trade name: Contactum Defender

Type/Model: DS - CU 1PH 100A 8-18 Way Split Load

Ratings: I_{nA} 100 A, U_e 230 V, U_i 400 V, U_{imp} 4 kV, IP4X, IK05

I_{cw} 10 kA - 0,1 s (comb busbar), I_{cc} 6 kA at 230 V (incoming units)

Icc 6 kA and 10 kA at 230 V (outgoing units)

For more details see annex

Manufactured by: Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

Subject: Design verification; Construction and performance

Requirements: IEC 61439-3, 1st ed. 2012-02

Clauses 10.2.3, 10.2.6, 10.2.7, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9,

10.10.2.3.5, 10.11, 10.12, 10.13

Remarks: The product complies with the above requirements from the standard.

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2217234.12-INC, dated 9 October 2017.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 9 October 2017 Number: 2217234.111

DEKRA Certification B.V.

H.L. Schendstok Certification Manager

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands T +31 88 96 83000 F +31 88 96 83100 www.dekra-certification.com Company registration 09085396

[©] Integral publication of this certificate and adjoining reports is allowed

Issued to: Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

For the product: Low-voltage switchgear and controlgear assembly -

Distribution boards intended to be operated by ordinary persons (DBO)

Trade name: Contactum Defender

Type/Model: DD - CU 1PH 100A 4-20 Way Switch Disconnect Incomer

Ratings: I_{nA} 100 A, U_e 230 V, U_i 400 V, U_{imp} 4 kV, IP4X, IK05

Icw 10 kA - 0,1 s (comb busbar), Icc 6 kA at 230 V (incoming units)

Icc 6 kA and 10 kA at 230 V (outgoing units)

For more details see annex

Manufactured by: Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

Subject: Design verification; Construction and performance

Requirements: IEC 61439-3, 1st ed. 2012-02

Clauses 10.2.3, 10.2.6, 10.2.7, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9,

10.10.2.3.5, 10.11, 10.12, 10.13

Remarks: The product complies with the above requirements from the standard.

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2217234.14-INC, dated 9 October 2017.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 9 October 2017 Number: 2217234.113

DEKRA Certification B.V.

H.L. Schendstok Certification Manager

© Integral publication of this certificate and adjoining reports is allowed

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands T +31 88 96 83000 F +31 88 96 83100 www.dekra-certification.com Company registration 09085396

Issued to: Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

For the product: Low-voltage switchgear and controlgear assembly -

Distribution boards intended to be operated by ordinary persons (DBO)

D DEKR

EKRA D

D DEK

DEKRA !

A DE

DEKRA

RA D D D DEKR

KRA D

D DEK

KRA D

D DE

A D DI

DEKRA

RA DI

DEKRA

CRA D

DEKR

DEK!

EKRA

DE

EKRA D DI

DEKRA

DEK

KRA

Trade name: Contactum Defender

Type/Model: DR - CU 1PH 100A 4-20 Way RCD Incomer

Ratings: I_{nA} 80 A, U_e 230 V, U_i 400 V, U_{imp} 4 kV, IP4X, IK05

Icw 10 kA - 0,1 s (comb busbar), 1 6 kA at 230 V (incoming unit)

Icc 6 kA and 10 kA at 230 V (outgoing units)

For more details see annex

Mar ctured by Contactum Limited

Victoria Works, Edgware Road, London NW26LF, United Kingdom

Subjection Design verification; Construction and performance

quirements: ////IEC 61439-3, 1st ed./2012-02/

Clauses/10.2.2, 10,2,3, 10,2,6, 10.2/7, 10,3, 10.4, 10,5, 10.6, 10.7, 10.8, 10.9,

10.10,2.3,5, 10,11, 10,12, 10,13

Remarks: The product complies with the above requirements from the standard.

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2217234.11-INC, dated 12 February 2018.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

hem, 12 February 2018

Number: 2217234,110

DEKRA Certification B.V.

H.L. Schendstok Certification Manager

© Integal publication of this

te and adjoining reports is allowed

T +31 88 96 83000 F +31 88 96 83

5825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands dekra-certification.com Company registration 09085396