

# TEST CERTIFICATE

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

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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)  
 $I_{cc}$  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

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# TEST CERTIFICATE

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



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Certification Manager

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# TEST CERTIFICATE

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: 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  
 $I_{cw}$  10 kA - 0,1 s (comb busbar),  $I_{cc}$  6 kA at 230 V (incoming unit)  
 $I_{cc}$  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 10.2.2, 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.

Arnhem, 12 February 2018

Number: 2217234.110

DEKRA Certification B.V.



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Certification Manager

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