



Ref. Certif. No.

HU-003662

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

MCCB with Residual Current Protection

Name and address of the applicant

HIMEL HONG KONG LIMITED
11/F KERRY CTR
683 KING'S RD QUARRY BAY, Hong Kong

Name and address of the manufacturer

HIMEL HONG KONG LIMITED
11/F KERRY CTR
683 KING'S RD QUARRY BAY, Hong Kong

Name and address of the factory

ZHEJIANG DONGHAI COMPLATE ELECTRICAL CO.,LTD
Huanghua Taiwanese Industrial Zone,
Liushi Town, Yueqing City,, Zhejiang, P.R. China

Ratings and principal characteristics

Cat.A; Reference temperature: +40°C; 2P;
Uimp:8kV; Ui:800V; Ue:AC230V,50Hz; In:16-250A;
See appendix of CB Test Certificate for further ratings.

Trademark (if any)

Himel

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

HDM2L series

Additional information (if necessary may also be reported on page 2)

Detailed information refer to test report CN21UZOX 003.

A sample of the product was tested and found to be in conformity with

IEC 60947-2:2016+A1

As shown in the Test Report Ref. No. which forms part of this Certificate

CN21UZOX 003

This CB Test Certificate is issued by the National Certification Body



TÜVRheinland®

TÜV Rheinland InterCert Kft., MEEI Division
H-1143 Budapest, Gizella út 51-57., Hungary
Web:www.tuv.com

Date: 2021-10-25

Signature:

Wencai Zhang

1. ZHEJIANG DONGHAI COMPLATE ELECTRICAL
CO.,LTD
Huanghua Taiwanese Industrial Zone,
Liushi Town, Yueqing City,
Zhejiang, P.R. China

Additional information (if necessary)

Report Ref. No. : CN21UZOX 003

This CB test report No. CN21UZOX 003 is based on and only valid together with the following CB test reports:
CN214DS2 003(HDM2L-125); CN216C20 003(HDM2L-160);
CN21K0VQ 003(HDM2L-250)



Date: 2021-10-25

Signature:

Wencai Zhang

Appendix of CB TEST CERTIFICATE – HU-003662

Product data – HDM2L-125C, HDM2L-125S

Product:	Moulded Case Circuit Breaker with Residual Current Protection	
Trade name:	Himel	
Type:	HDM2L-125C	HDM2L-125S
Selectivity category:	A	
Type of release:	Thermo-magnetic, Magnetic	
Reference temperature:	+40°C	
Number of poles:	2P	
Rated operational voltage (Ue):	AC230V	
Rated frequency:	50Hz	
Rated current (In):	16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A	
Conventional thermal current (Ith):	Same as In	
Rated ultimate short-circuit breaking capacity (Icu):	25kA	35kA
Rated service short-circuit breaking capacity (Ics):	15kA	21kA
Rated short-time withstand current(Icw):	N/A	
Safety distance:	Up / Down: 50 / 0 mm	
	Left / Right: 10 / 10 mm	
	Front / Back: 10 / 0 mm	
Rated insulation voltage (Ui):	800V	
Rated impulse withstand voltage (Uimp):	8.0kV	
Suitable for isolation:	Yes; No for 2P(with uninterrupted neutral pole)	
Suitable for use in IT system:	No	
Over-current release - current range of setting:	Ir=In	
	Ii=10In±20%(40-125A), Ii=400A±20%(16-32A) or	
	Ii=8In±20%(40-125A), Ii=400A±20%(16-32A)	
Over-current release - time range of setting:	Tr(@2Ir)≤10min	
Classification according to behaviour in presence of a d.c. component	Type AC	
Rated residual operating current (IΔn) -non-time-delay Type :	30mA, 100mA, 150mA, 300mA, 500mA, fixed; 30/100/300, 100/300/500mA, adjustable	
-time-delay Type:	100mA, 150mA, 300mA, 500mA, fixed; 100/300/500mA, adjustable	
Rated residual short-circuit making and breaking capacity (IΔm)	25% Icu	
Limiting non-actuating time(Time delay):	0.1s, 0.2s, 0.3s, 0.4s, 0.5s, 1s; fixed; 0.1/0.2/0.3s, 0.4/0.5/1s; adjustable	

Product data – HDM2L-160C, HDM2L-160S

Product:	Moulded Case Circuit Breaker with Residual Current Protection	
Trade name:	Himel	
Type:	HDM2L-160C	HDM2L-160S
Selectivity category:	A	
Type of release:	Thermo-magnetic, Magnetic	
Reference temperature:	+40°C	
Number of poles:	2P	
Rated operational voltage (Ue):	AC230V	
Rated frequency:	50Hz	
Rated current (In):	100A, 125A, 140A, 160A	
Conventional thermal current (Ith):	Same as In	
Rated ultimate short-circuit breaking capacity (Icu):	25kA	35kA
Rated service short-circuit breaking capacity (Ics):	15kA	21kA
Rated short-time withstand current (Icw):	N/A	
Safety distance:	Up / Down: 50 / 0 mm	
	Left / Right: 10 / 10 mm	
	Front / Back: 10 / 0 mm	
Rated insulation voltage (Ui):	800V	
Rated impulse withstand voltage (Uimp):	8.0kV	
Suitable for isolation:	Yes; No for 2P(with uninterrupted neutral pole)	
Suitable for use in IT system:	No	
Over-current release - current range of setting:	Ir=In	
	Ii=10In±20% or Ii=8In±20%	
Over-current release - time range of setting:	Tr(@2Ir)≤10min	
Classification according to behaviour in presence of a d.c. component	Type AC	
Rated residual operating current (IΔn) -non-time-delay Type :	30mA, 100mA, 150mA, 300mA, 500mA, fixed; 30/100/300, 100/300/500mA, adjustable	
-time-delay Type:	100mA, 150mA, 300mA, 500mA, fixed; 100/300/500mA, adjustable	
Rated residual short-circuit making and breaking capacity (IΔm)	25% Icu	
Limiting non-actuating time(Time delay):	0.1s, 0.2s, 0.3s, 0.4s, 0.5s, 1s; fixed; 0.1/0.2/0.3s, 0.4/0.5/1s; adjustable	

Product data – HDM2L-250C, HDM2L-250S

Product:	Moulded Case Circuit Breaker with Residual Current Protection	
Trade name:	Himel	
Type:	HDM2L-250C	HDM2L-250S
Selectivity category:	A	
Type of release:	Thermo-magnetic, Magnetic	
Reference temperature:	+40°C	
Number of poles:	2P	
Rated operational voltage (Ue):	AC230V	
Rated frequency:	50Hz	
Rated current (In):	100A, 125A, 140A, 160A, 180A, 200A, 225A, 250A	
Conventional thermal current (Ith):	Same as In	
Rated ultimate short-circuit breaking capacity (Icu):	25kA	35kA
Rated service short-circuit breaking capacity (Ics):	15kA	21kA
Rated short-time withstand current (Icw):	N/A	
Safety distance:	Up / Down: 50 / 0 mm	
	Left / Right: 10 / 10 mm	
	Front / Back: 10 / 0 mm	
Rated insulation voltage (Ui):	800V	
Rated impulse withstand voltage (Uimp):	8.0kV	
Suitable for isolation:	Yes; No for 2P(with uninterrupted neutral pole)	
Suitable for use in IT system:	No	
Over-current release - current range of setting:	Ir=In	
	Ii=10In±20% or Ii=8In±20%	
Over-current release - time range of setting:	Tr(@2Ir)≤10min	
Classification according to behaviour in presence of a d.c. component	Type AC	
Rated residual operating current (IΔn)		
-non-time-delay Type :	30mA, 100mA, 150mA, 300mA, 500mA, fixed; 30/100/300, 100/300/500mA, adjustable	
-time-delay Type:	100mA, 150mA, 300mA, 500mA, fixed; 100/300/500mA, adjustable	
Rated residual short-circuit making and breaking capacity (IΔm)	25% Icu	
Limiting non-actuating time(Time delay):	0.1s, 0.2s, 0.3s, 0.4s, 0.5s, 1s; fixed; 0.1/0.2/0.3s, 0.4/0.5/1s; adjustable	