



Ref. Certif. No.

HU-005584

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

CB TEST CERTIFICATE

Product	Moulded Case Circuit Breaker
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	DELIXI ELECTRIC LTD Delixi High Tech Industrial Park, Liushi Town, Yueqing City, 325604 Zhejiang, P.R. China
Name and address of the factory <i>Note: When more than one factory, please report on page 2</i>	DELIXI ELECTRIC LTD Delixi High Tech Industrial Park, Liushi Town, Yueqing City, 325604 Zhejiang, P.R. China
Ratings and principal characteristics	Cat. A; Ui:1000V; Uimp:8kV; 3P,4P; Reference temperature:+40°C or +50°C; Type of release:Thermo-magnetic,Magnetic; Ue:AC400/415V,50/60Hz; In:16...630A
Trademark / Brand (if any)	Himel
Customer's Testing Facility (CTF) Stage used	N/A
Model / Type Ref.	HDM3SV-125B, HDM3S-160M, HDM3SV-160F, HDM3SV-160N, HDM3S-250M, HDM3SV-250F, HDM3SV-250N, HDM3S-400M, HDM3S-630M, HDM3SV-630N
Additional information (if necessary may also be reported on page 2)	See additional page(s) for further Additional information.
A sample of the product was tested and found to be in conformity with	IEC 60947-2:2024
As shown in the Test Report Ref. No. which forms part of this Certificate	CN258YRP 002

This CB Test Certificate is issued by the National Certification Body



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

Date: 2025-04-27

Signature:

Wencai Zhang

Additional information :

The referred CB Test Report No. CN258YRP 002 is based on and only valid together with the following CB test reports:

CN25ZEFI 002 (HDM3SV-125) ;
CN25HVEL 002 (HDM3S-160M, HDM3SV-160F and HDM3SV-160N) ;
CN25YEVW 002 (HDM3S-250M, HDM3SV-250F and HDM3SV-250N) ;
CN25LQLM 002 (HDM3S-400M, HDM3S-630M and HDM3SV-630N)



Date: 2025-04-27

Signature: as on page 1

Additional information :

Further ratings for Models: HDM3SV-125B

Selectivity category	: A
Reference temperature	: +40°C or +50°C
Type of release	: Thermo-magnetic, Magnetic
Number of poles	: 3P, 4P
Rated insulation voltage (Ui)	: 1000V
Rated impulse withstand voltage	: 8,0kV
Suitable for isolation	: Yes
Conventional free air thermal current (Ith)	: Same as In
Rated operational voltage (Ue)	: AC400/415V
Rated frequency	: 50/60Hz
Rated current (In)	: 20/25/30/32/35/40/50/63/70/80/100/125A
Rated ultimate short-circuit breaking capacity (Icu)	: 25kA
Rated service short-circuit breaking capacity (Ics)	: 25kA
Current range of setting (Magnetic)	: $I_i=12I_n$;
(Thermo-magnetic)	: $I_i=10I_n(50-125A)$ or $400A(20-40A)$; $I_r=(0,7/0,8/0,9/1)I_n$
Safety distance (Up/Down)	: 50/0 mm
(Left/Right)	: 10/10 mm
(Front/Back)	: 10/0 mm



Date: 2025-04-27

Signature:

as on page 1

Additional information :

Further ratings for Models: HDM3S-160M, HDM3SV-160F, HDM3SV-160N

Selectivity category	: A
Reference temperature	: +40°C or +50°C
Type of release	: Thermo-magnetic, Magnetic
Number of poles	: 3P, 4P
Rated insulation voltage (Ui)	: 1000V
Rated impulse withstand voltage	: 8,0kV
Suitable for isolation	: Yes
Conventional free air thermal current (Ith)	: Same as In
Rated operational voltage (Ue)	: AC400/415V
Rated frequency	: 50/60Hz
Rated current (In)	
-HDM3S-160M	: 16/20/25/32/40/50/63/80/100/125/140/150/160A
-HDM3SV-160F, HDM3SV-160N	: 20/25/30/32/35/40/50/63/70/80/100/125/140/150/160A
Rated ultimate short-circuit breaking capacity (Icu)	: 35kA (HDM3S-160M), 36kA (HDM3SV-160F), 50kA (HDM3SV-160N)
Rated service short-circuit breaking capacity (Ics)	: 35kA (HDM3S-160M), 36kA (HDM3SV-160F), 50kA (HDM3SV-160N)
Current range of setting	
- HDM3S-160M	
(Magnetic)	: $I_i = (5/6/7/8/9/10) I_n$;
(Thermo-magnetic, 63-160A)	: $I_i = (5/6/7/8/9/10) I_n$; $I_r = (0,8/0,9/1) I_n$; or
(Thermo-magnetic, 16-160A)	: $I_i = 10 I_n (63-160A)$ or $500A (16-50A)$;
	$I_r = (0,8/0,9/1) I_n$
- HDM3SV-160F, HDM3SV-160N	
(Magnetic, 63-160A)	: $I_i = (5/6/7/8/9/10/11/12/13) I_n$;
(Magnetic, 20-160A)	: $I_i = 12 I_n$;
(Thermo-magnetic, 63-160A)	: $I_i = (5/6/7/8/9/10) I_n$; $I_r = I_n$; or
	$I_i = (5/6/7/8/9/10) I_n$; $I_r = (0,7/0,8/0,9/1) I_n$; or
(Thermo-magnetic, 20-160A)	: $I_i = 10 I_n (50-160A)$ or $400A (16-40A)$;
	$I_r = (0,7/0,8/0,9/1) I_n$
Safety distance	
(Up/Down)	: 50/0 mm
(Left/Right)	: 10/10 mm
(Front/Back)	: 10/0 mm

Additional information :

Further ratings for Models: HDM3S-250M, HDM3SV-250F, HDM3SV-250N

Selectivity category	: A
Reference temperature	: +40°C or +50°C
Type of release	: Thermo-magnetic, Magnetic
Number of poles	: 3P, 4P
Rated insulation voltage (Ui)	: 1000V
Rated impulse withstand voltage	: 8,0kV
Suitable for isolation	: Yes
Conventional free air thermal current (Ith)	: Same as In
Rated operational voltage (Ue)	: AC400/415V
Rated frequency	: 50/60Hz
Rated current (In)	: 140/150/160/180/200/225/250A
Rated ultimate short-circuit breaking capacity (Icu)	: 35kA (HDM3S-250M), 36kA (HDM3SV-250F), 50kA (HDM3SV-250N)
Rated service short-circuit breaking capacity (Ics)	: 35kA (HDM3S-250M), 36kA (HDM3SV-250F), 50kA (HDM3SV-250N)
Current range of setting	
- HDM3S-250M	
(Magnetic)	: Ii=(5/6/7/8/9/10) In;
(Thermo-magnetic)	: Ii=(5/6/7/8/9/10) In; Ir=(0,8/0,9/1) In; or Ii=10In; Ir=(0,8/0,9/1) In
- HDM3SV-250F, HDM3SV-250N	
(Magnetic)	: Ii=(5/6/7/8/9/10/11/12/13) In or Ii=12In;
(Thermo-magnetic)	: Ii=(5/6/7/8/9/10) In; Ir=In; or Ii=(5/6/7/8/9/10) In; Ir=(0,7/0,8/0,9/1) In; or Ii=10In; Ir=(0,7/0,8/0,9/1) In
Safety distance	
(Up/Down)	: 60/0 mm
(Left/Right)	: 30/30 mm
(Front/Back)	: 20/0 mm

Additional information :

Further ratings for Models: HDM3S-400M, HDM3S-630M, HDM3SV-630N

Selectivity category	: A
Reference temperature	: +40°C or +50°C
Type of release	: Thermo-magnetic, Magnetic
Number of poles	: 3P, 4P
Rated insulation voltage (Ui)	: 1000V
Rated impulse withstand voltage	: 8,0kV
Suitable for isolation	: Yes
Conventional free air thermal current (Ith)	: Same as In
Rated operational voltage (Ue)	: AC400/415V
Rated frequency	: 50/60Hz
Rated current (In)	
-HDM3S-400M	: 250/315/320/350/400A
-HDM3S-630M	: 400/500/630A
-HDM3SV-630N	: 250/300/315/320/350/400/500/600/630A
Rated ultimate short-circuit breaking capacity (Icu)	: 50kA
Rated service short-circuit breaking capacity (Ics)	: 50kA
- HDM3S-400M, HDM3S-630M (Magnetic)	: Ii=(5/6/7/8/9/10) In;
(Thermo-magnetic)	: Ii=(5/6/7/8/9/10) In; Ir=(0,8/0,9/1) In; or Ii=10In; Ir=(0,8/0,9/1) In
- HDM3SV-630N (Magnetic)	: Ii=(5/6/7/8/9/10/11/12/13) In or Ii=12In;
(Thermo-magnetic)	: Ii=(5/6/7/8/9/10) In; Ir=In; or Ii=(5/6/7/8/9/10) In; Ir=(0,7/0,8/0,9/1) In; or Ii=10In; Ir=(0,7/0,8/0,9/1) In
Safety distance (Up/Down)	: 110/110 mm
(Left/Right)	: 70/70 mm
(Front/Back)	: 20/0 mm

Additional information :

Remark: the following standards have also been considered.
EN 60947-2:2017+A1
EN IEC 60947-2:2025
SANS 60947-2:2020
SANS 556-1:2018



Date: 2025-04-27

Signature: as on page 1