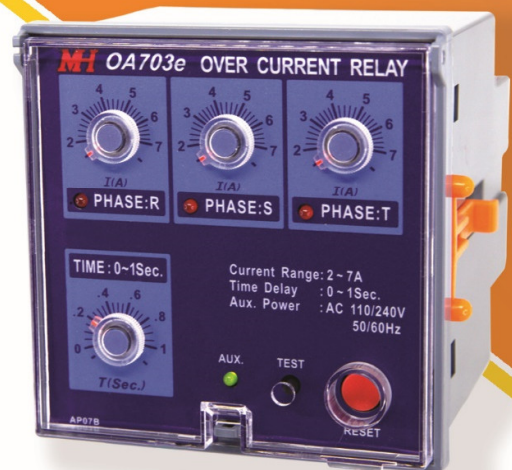


**MH** Protection Relays

**e-series**  
an evolution of protection



OA703e

# OA703e - V1

DTL Overcurrent Protection Relay



## Features

- Microprocessor-based with highest accuracy
- No requirement for auxiliary power supply for fault indication
- Safeguard against automatic reset before fault rectification
- Definite time delay
- Tamper-proof design for settings protection
- Type tested in acc. with IEC 60255 Series
- Comply to ANSI 86, & 51

## Technical Specification

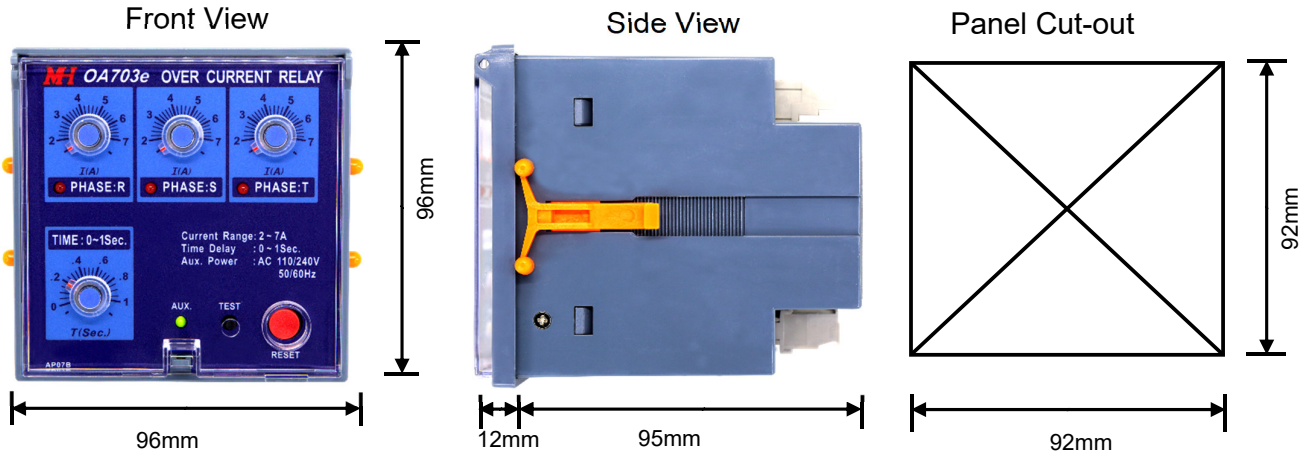
Description	Value	
Protection and Functionality Description	ANSI 51 – Time delay overcurrent protection	
Overcurrent Pickup Current Setting	2.0 – 7.0 A	
Definite Time Delay (DTL) Setting	0 – 1.0 sec (0 - 10 sec available on request)	
Supply Voltage	AC 110V/230V ±15%, 50/60 Hz (Other voltages available on request)	
Power Consumption	5VA	
Rated Input Current	5A (1A available upon request)	
Overcurrent withstand	10 * I rated (for 3 sec)	
Output contact	Relay Output	1 x CO (Changeover) Contact and 1 NO (Normal Open)
	Contact Rating	Rated 250VAC, 5A
LED Status Indicator	Tripping Indicator, AUX Power	
Operating temperature	-10 to +60°C	
Relative humidity	< 95% RH (non-condensing)	
Degree of Protection	IP 52	
Housing Material	ABS resin complying with UL94V0	
Unit Weight	Approximately 390g	
Unit Dimension	96mm (width) x 96mm (height) x 107mm (depth)	

# OA703e - V1

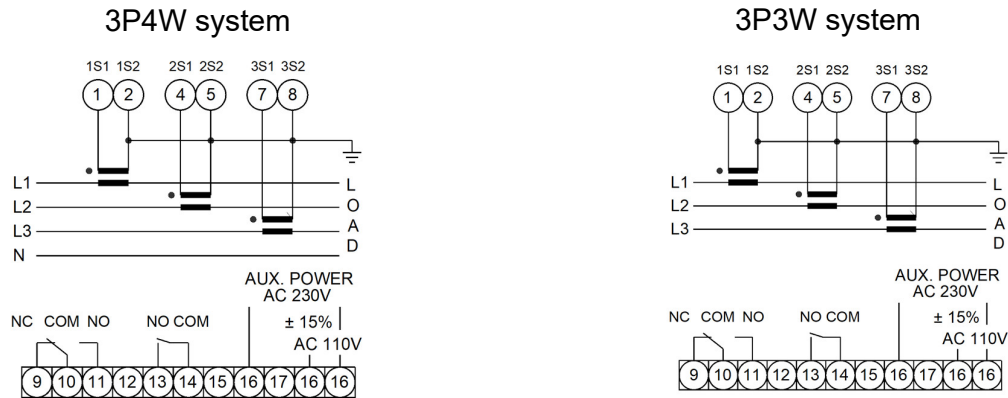
## DTL Overcurrent Protection Relay



### Dimension and Cut-out



### Wiring Diagram



### Standard Compliance

Electromagnetic compatibility of electrical equipment	Directive 2014/30/EU
Product Safety Requirement	IEC 60255-27
Noise immunity:	
Electrostatic discharge	IEC 61000-4-2 (IEC 60255-26)
Radiated radiofrequency electromagnetic field	IEC 61000-4-3 (IEC 60255-26)
Fast transients	IEC 61000-4-4 (IEC 60255-26)
Surge	IEC 61000-4-5 (IEC 60255-26)
Conducted disturbance induced by radiofrequency fields	IEC 61000-4-6 (IEC 60255-26)
Power frequency magnetic field	IEC 61000-4-8 (IEC 60255-26)
A.C. voltage dips, and interruptions	IEC 61000-4-11 (IEC 60255-26)
Emissions:	
Radiated emission	CISPR 11/22 (IEC 60255-26)
Conducted emission	CISPR 22 (IEC 60255-26)
Environmental test:	
Vibration	IEC 60255-21-1
Shock and Bump	IEC 60255-21-2
Cyclic Temperature with Humidity	IEC 60068-2-30 (IEC 60255-1)
Safety	CE Marking

# OA703e - V1

DTL Overcurrent Protection Relay



## (Headquarter)

MUN HEAN SINGAPORE PTE LTD  
51 Kim Keat Road, Unit 05-01/02  
Mun Hean Industrial Building  
Singapore 328821  
Tel: +65-6250 0522  
Fax: +65-6253 6885 / +65-6253 5879  
Email: [munheansing@munhean.com.sg](mailto:munheansing@munhean.com.sg)

PT MUN HEAN INDONESIA  
Jl. Tanjung Daren Barat No. 27-27A  
Tanjung Duren Utara, Grogol, Petamburan  
Jakarta Barat 11470, Indonesia  
Tel: +62 21-5695 8826  
Fax: +62 21-5695 3671  
Email: [munheanindo@munhean.co.id](mailto:munheanindo@munhean.co.id)

MH POWER MYANMAR CO LTD  
No. 96 Yadanar Myaing Street  
Off Yangon-Insein Road (West Side)  
Kamaryut Township, Yangon, Myanmar  
Tel: +95 1-505 364  
Fax: +95 1-505 364  
Email: [mhmyanmar@munhean.com](mailto:mhmyanmar@munhean.com)

MH ELECTRICAL SOLUTIONS CO LTD  
5F-3, No. 16, Lane 609  
Sec. 5 Chongxin Rd., Sanchong Dist.  
New Taipei City 24159, Taiwan R.O.C.  
Tel: +886 2-2999 3993  
Fax: +886 2-2999 3779  
Email: [mhes@mh-tw.com](mailto:mhes@mh-tw.com)

MUN HEAN HONG FEI (BEIJING) TECHNOLOGY CO LTD  
Room 3-2223, Gold Spring Times  
No. 317, Datun Li, Chaoyang District  
Beijing 100101, China  
Tel: +86 10-8483 9722  
Fax: +86 10-8483 9721  
Email: [mhhf@munhean.com.cn](mailto:mhhf@munhean.com.cn)

MUN HEAN (MALAYSIA) SDN BHD  
No. 15, Jalan SS26/6 Taman Mayang Jaya  
47301 Petaling Jaya, Selangor Darul Ehsan  
Malaysia  
Tel: +60 3-7804 2288  
Fax: +60 3-7803 1185  
Email: [munheanmy@munhean.com.my](mailto:munheanmy@munhean.com.my)

MUN HEAN VIETNAM CO LTD  
68 Nguyen Quy Duc Street  
An Phu Ward, District 2  
Ho Chi Minh City, Vietnam  
Tel: +84 28-6281 0817 / 0819  
Fax: +84 28-6281 0815  
Email: [munheanvn@munhean.com.vn](mailto:munheanvn@munhean.com.vn)

MH POLY-ELECTROMECHS, INC.  
11th Floor, CyberOne Bldg,  
Eastwood Cyberpark, Brgy. Bagumbayan,  
1110 Quezon City, Philippines  
Tel: +63-2 8366 8381 / +63-2 8366 8341  
Fax: +63-2 8366 8451  
Email: [mhpoly@munhean.com.ph](mailto:mhpoly@munhean.com.ph)

MUN HEAN ELECTRICAL ENGINEERING (HK) CO LTD  
Unit 602, 6/F, Westlands Centre  
20 Westlands Road, Quarry Bay  
Hong Kong  
Tel: +852-2873 1711  
Fax: +852-2518 7013  
Email: [munheanhk@munhean.com.hk](mailto:munheanhk@munhean.com.hk)

MUN HEAN POWER TECHNOLOGY (SHENZHEN) CO LTD  
Room 2006, MeiLan Business Center  
QianJin 2nd Road, Xixiang Street, Baoan District  
Shenzhen 518102, China  
Tel: +86 755-2778 8081  
Fax: +86 755-2778 8083  
Email: [sales@munhean.cn](mailto:sales@munhean.cn)