

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50425812

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
X.X.B.

Unser Zeichen *Our Reference*
01-DY-50211252 001

Ausstellungsdatum *Date of Issue*
16.01.2019 (day/mo/yr)

Genehmigungsinhaber *License Holder*

MAXGE ELECTRIC
TECHNOLOGY CO., LTD.
NO. 299 EAST CHANGHONG ROAD
DEQING ECONOMIC ZONE, WUKANG
DEQING, ZHEJIANG 313200
P. R. China

Fertigungsstätte *Manufacturing Plant*

MAXGE ELECTRIC
TECHNOLOGY CO., LTD.
NO. 299 EAST CHANGHONG ROAD
DEQING ECONOMIC ZONE, WUKANG
DEQING, ZHEJIANG 313200
P. R. China

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1419064925

Geprüft nach *Tested acc. to*
EN 61095:2009

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Magnetic Contactor (Electromechanical contactor for household and similar purposes)

Type Designation	: 1) EPC1-16-x , EPC1-16-xM 2) EPC1-20-x , EPC1-20-xM 3) EPC1-25-x , EPC1-25-xM x=10,20,02,11,30,22,31,40	8
Number of Poles	: 1/2/3/4 Pole	
Rated Operational Voltage	: 250VAC (1/2P); 400VAC (3/4P)	
Rated Frequency	: 50/60Hz	
Utilization Category	: AC-7a; AC-7b	
Rated Operational Current	: 1) 16A for AC-7a; 6A for AC-7b 2) 20A for AC-7a; 7A for AC-7b 3) 25A for AC-7a; 9A for AC-7b	
Conventional Free Air Thermal Current	: 25A	
Rated Insulation Voltage	: 500V	
Rated Impulse Withstand Voltage	: 4,0kV	
Conditional Short-Circuit Current	: $I_r=I_q=3kA$	
IP Code	: IP20	

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ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.

This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety

Zertifizierungsstelle



Jie Zhang



MAXGE ELECTRIC TECHNOLOGY CO., LTD.
Xu Xiangbing

Date : 16.01.2019
Our ref. : DY 01
Your ref.: X.X.B.

NO. 299 EAST CHANGHONG ROAD
DEQING ECONOMIC ZONE, WUKANG
DEQING, ZHEJIANG 313200
P. R. China

Ref : R TÜV-Mark Approval

Type of Equipment : Electromechanical contactor for household and similar purposes
Model Designation : See Certificate
Certificate No. : R 50425812 0001
Report No. : 50211252 001

Dear Xu Xiangbing,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area.

With kind regards,

Certification Body

Jie Zhang

cc: MAXGE ELECTRIC

Enclosure

证书的详细信息请登陆www.tuvdotcom.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2014/35/EU

Registration No.: AN 50425815 0001

Report No.: 50211252 001

Holder: **MAXGE ELECTRIC
TECHNOLOGY CO., LTD.
NO. 299 EAST CHANGHONG ROAD
DEQING ECONOMIC ZONE, WUKANG
DEQING, ZHEJIANG 313200
P. R. China**

Product: **Magnetic Contactor
(Electromechanical contactor for household and similar purposes)**

Identification: Type Designation : 1) EPC1-16-x , EPC1-16-xM
2) EPC1-20-x , EPC1-20-xM
3) EPC1-25-x , EPC1-25-xM
x=10,20,02,11,30,22,31,40
Remark: Issued in conjunction with TÜV Rheinland license
R 50425812 0001.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date 16.01.2019


Jie Zhang

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. **CE**

MAXGE ELECTRIC TECHNOLOGY CO., LTD.
Xu Xiangbing

Date : 16.01.2019
Our ref. : DY 01
Your ref.: X.X.B

NO. 299 EAST CHANGHONG ROAD
DEQING ECONOMIC ZONE, WUKANG
DEQING, ZHEJIANG 313200
P. R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Electromechanical contactor for household and similar purposes
Model Designation : See Certificate
Certificate No. : AN 50425815 0001
Report No. : 50211252 001

Dear Xu Xiangbing,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body



Jie Zhang

CC: MAXGE ELECTRIC

Enclosure

证书的详细资料请登陆www.tuvdotcom.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询



TÜVRheinland®
DIN CERTCO



TÜVRheinland®
Precisely Right.

Certificate No. R50425812 0001

Our Reference 01-DY- 50211252 001

Appendix No. 1

Constructional Data Form (CDF) for Electromechanical contactor for Page 1 of 4 household and similar purposes – EN 61095

License Holder : MAXGE Electric Technology Co., Ltd
(full address) No.299, East Changhong Road, Deqing Economic Zone, Wukang, Deqing, Zhejiang 313200, P.R.China
Factory : MAXGE Electric Technology Co., Ltd
(full address) No.299, East Changhong Road, Deqing Economic Zone, Wukang, Deqing, Zhejiang 313200, P.R.China

Type or Model Number : EPC1-16-x; EPC1-20-x; EPC1-25-x;
EPC1-16-xM; EPC1-20-xM; EPC1-25-xM
x=10,20,02,11,30,22,31,40

Kind of device: Electromechanical contactor for household and similar purposes

Type designation	EPC1-16-x EPC1-16-xM		EPC1-20-x EPC1-20-xM		EPC1-25-x EPC1-25-xM	
Contact material	AgSnO10					
Ambient temperature limits°C	-5°C~+40°C					
Number of poles	2 poles			4 poles		
Operational voltage (V)	230V AC			400V AC		
Frequency	50/60Hz					
Utilization category	AC-7a	AC-7b	AC-7a	AC-7b	AC-7a	AC-7b
Operational current (A)	16A	6A	20A	7A	25A	9A
Rated control circuit voltage	AC 24V; 110V; 220-240V, 50/60Hz					
Insulation voltage (V)	500V					
Impulse withstand voltage	4,0kV					
Conventional free air thermal current (A)	25A					
Conventional enclosed thermal current (A)	//					
Conditional short-circuit current	I _r =I _q =3kA					
Short circuit protective device	Fuse: RT14-32, 32A					

TÜV Rheinland Group

25.12.2018

(Date)

(Signature)

(Place)

(Date)

(Stamp and Signature of Applicant)

Certificate No. R50425812 0001

Our Reference 01-DY- 50211252 001

Appendix No. 1

Constructional Data Form (CDF) for Electromechanical contactor for Page 2 of 4 household and similar purposes – EN 61095

IP code	IP20
Pollution degree	2

Terminals /connection:

Type designation	EPC1-16-x; EPC1-20-x; EPC1-25-x; EPC1-16-xM; EPC1-20-xM; EPC1-25-X x=10,20,02,11,30,22,31,40 stands for pole number 1,2,3,4
Terminal designation, main circuit	1, 2, 3, 4, 5, 6, 7, 8
Terminal designation, control circuit	A1, A2
Type of terminal, main circuit	Screw terminals
Type of terminal, control circuit	Screw terminals
Rated cross sectional area, main circuit	1,5- 4,0mm ²
Rated cross sectional area, main circuit	0,5- 1,0mm ²
Type of conductor	Flexible or rigid
Number of conductors per terminal	1 or 2
Required preparation of the conductor	Prepared or unprepared
Tightening torque, main circuit (N•m)	0,8 N•m
Tightening torque, control circuit (N•m)	0,5 N•m
Material/plating terminal, main circuit	H62
Material/plating terminal, control circuit	Steel plate copper and Tin Plating
Material/plating of the screw	Steel ,Zinc plated
Material/plating of the washer	Steel ,Zinc plated

TÜV Rheinland Group

25.12.2018

(Date)

(Signature)

(Place)

(Date)

(Stamp and Signature of Applicant)

Certificate No. R50425812 0001

Our Reference 01-DY- 50211252 001

Appendix No. 1

Constructional Data Form (CDF) for Electromechanical contactor for Page 3 of 4 household and similar purposes – EN 61095

Control circuit (coil):

Type designation	EPC1-16-x, EPC1-16-xM		
Insulation class	E	E	E
Kind of current/rated frequency	AC	AC	AC
Rated control circuit voltage	24V	110V	220-240V
Rated control supply voltage(Us)	24V	110V	220-240V
Winding (diameter/ turns)	Φ0.18mm 1200±10	Φ0.13mm2400±10	Φ0.08mm6000±15

Type designation	EPC1-20-x, EPC1-20-xM		
Insulation class	E	E	E
Kind of current/rated frequency	AC	AC	AC
Rated control circuit voltage	24V	110V	220-240V
Rated control supply voltage(Us)	24V	110V	220-240V
Winding (diameter/ turns)	Φ0.18mm 1200±10	Φ0.13mm2400±10	Φ0.08mm6000±15

Type designation	EPC1-25-x, EPC1-25-xM		
Insulation class	E	E	E
Kind of current/rated frequency	AC	AC	AC
Rated control circuit voltage	24V	110V	220-240V
Rated control supply voltage(Us)	24V	110V	220-240V
Winding (diameter/ turns)	Φ0.18mm 1200±10	Φ0.13mm2400±10	Φ0.08mm6000±15

TÜV Rheinland Group

25.12.2018

(Date)

(Signature)

(Place)

(Date)

(Stamp and Signature of Applicant)



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DIN CERTCO



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Certificate No. R50425812 0001

Our Reference 01-DY- 50211252 001

Appendix No. 1

**Constructional Data Form (CDF) for Electromechanical contactor for Page 4 of 4
household and similar purposes – EN 61095**

Plastic insulating parts:

Component	Manufacturer	Material name	Flame class	PTI*
Enclosure	DSM	PA6 25GF	Glow wire: 960°C	175V
Bobbin	KINGDE	PBT 25GF	Glow wire: 960°C	175V

TÜV Rheinland Group

25.12.2018

(Date)

(Signature)

(Place)

(Date)

(Stamp and Signature of Applicant)

PHOTO DOCUMENTATION

50211252 001

for

**Electromechanical contactor for household and similar
purposes**

EPC1-16-x; EPC1-20-x; EPC1-25-x;

EPC1-16-xM; EPC1-20-xM; EPC1-25-xM

x=10,20,02,11,30,22,31,40

MAXGE Electric Technology Co., Ltd



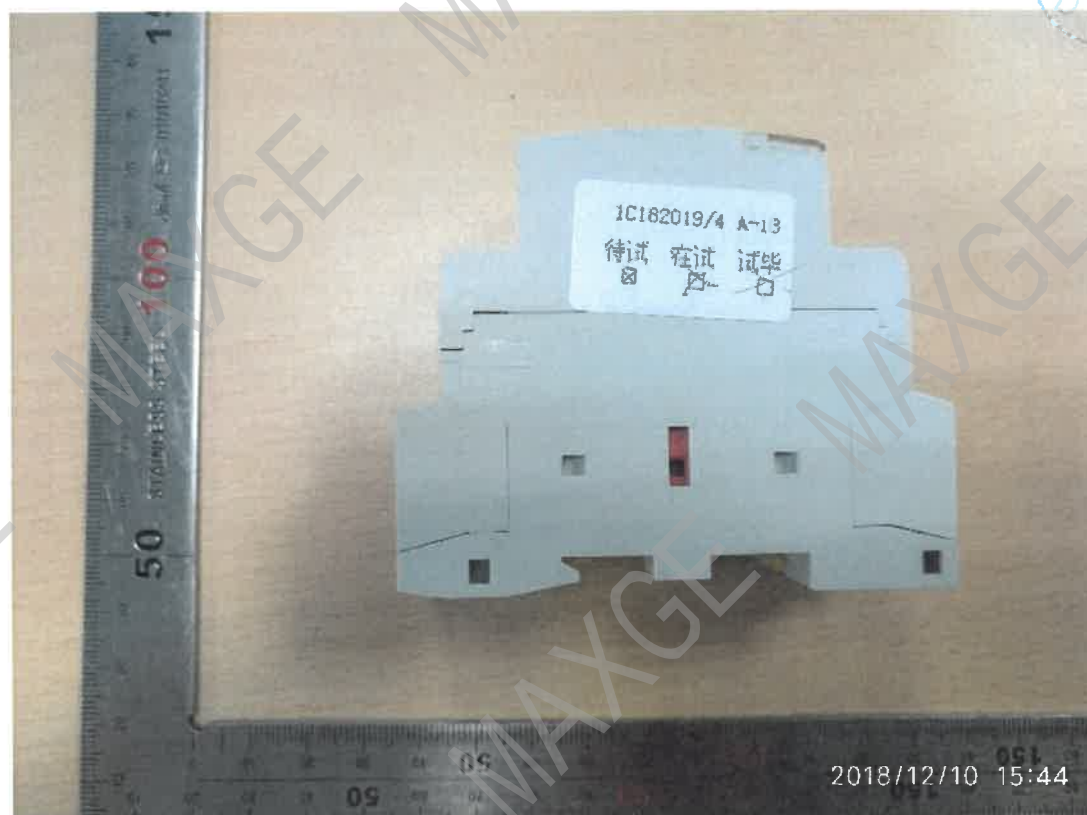
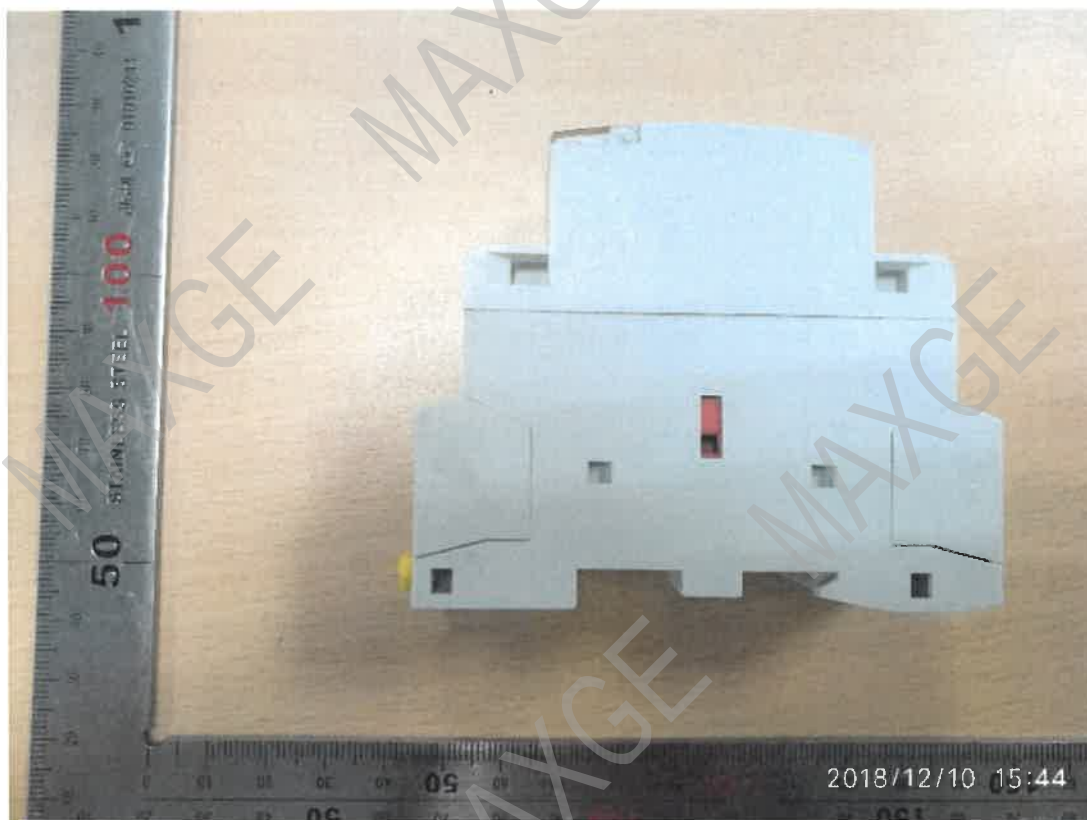
This documentation consists of 20 pages (excluding this cover page).



Outside appearance of EPC1-25 series







Outside appearance of EPC1-16 series

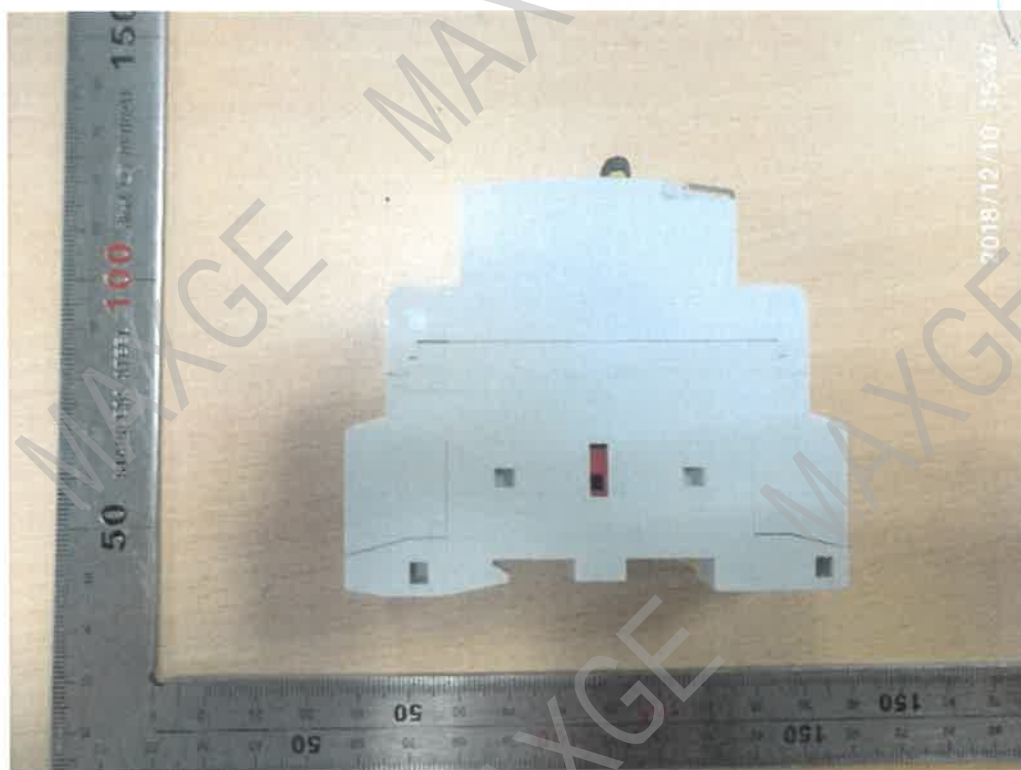




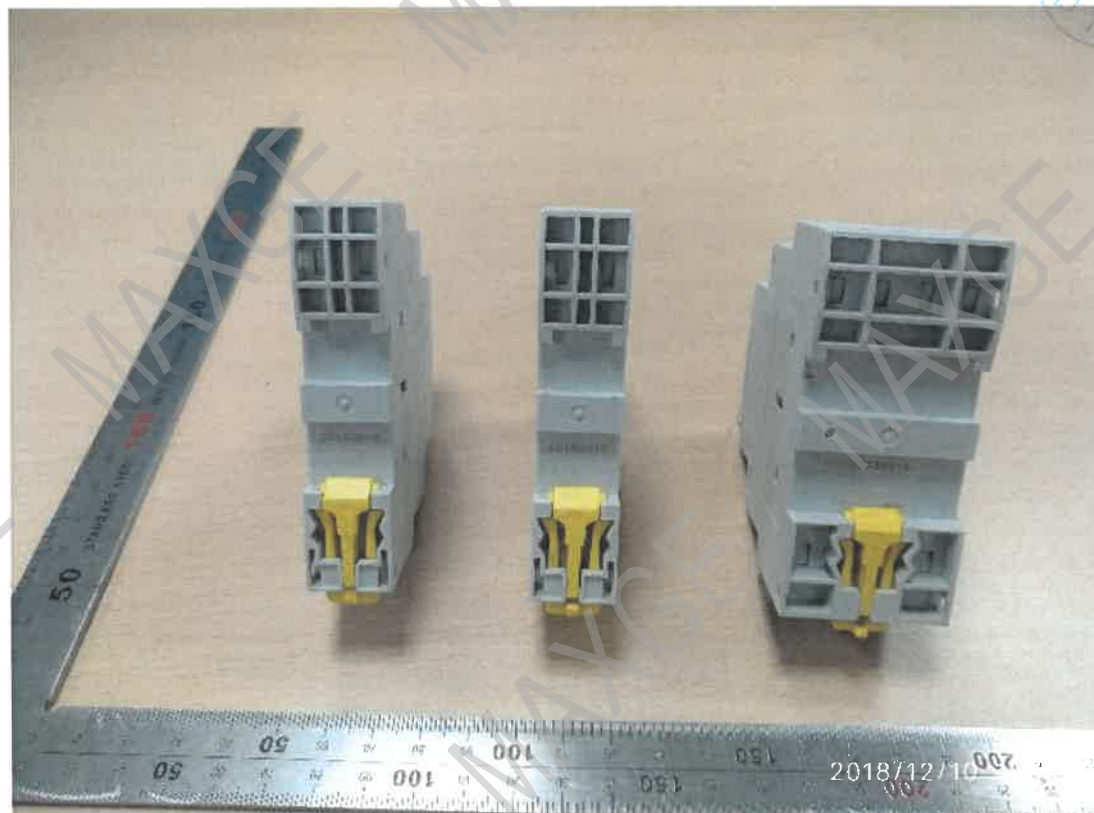
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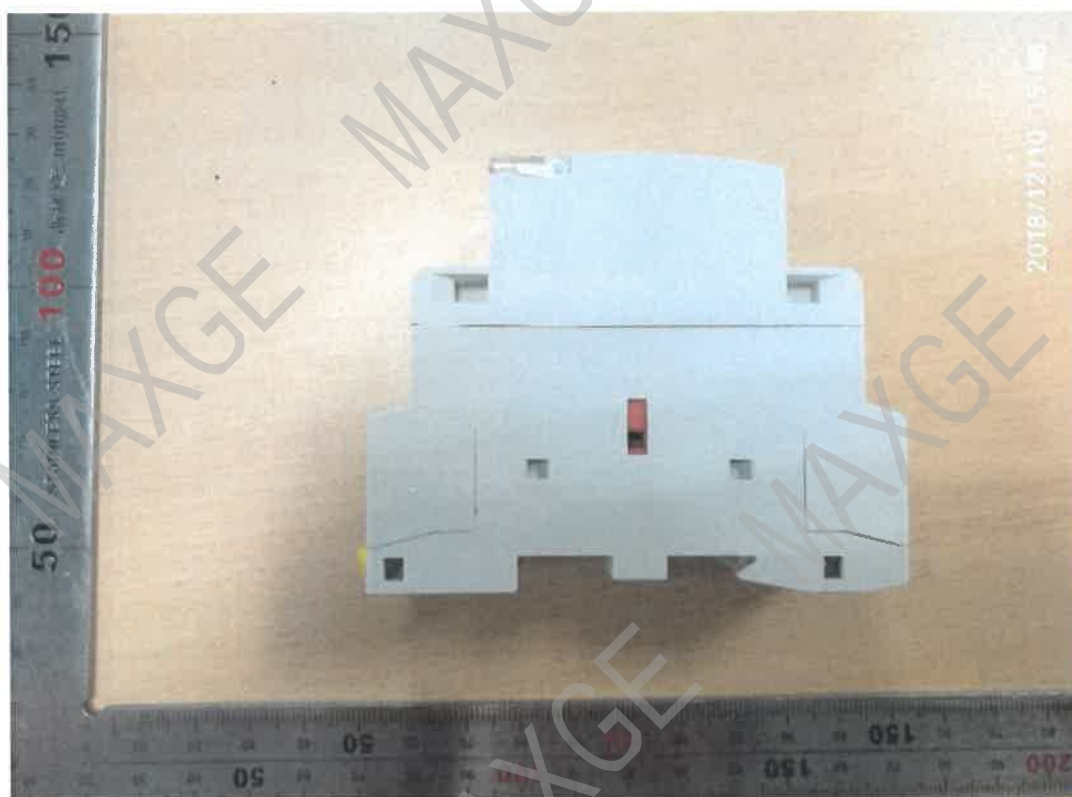














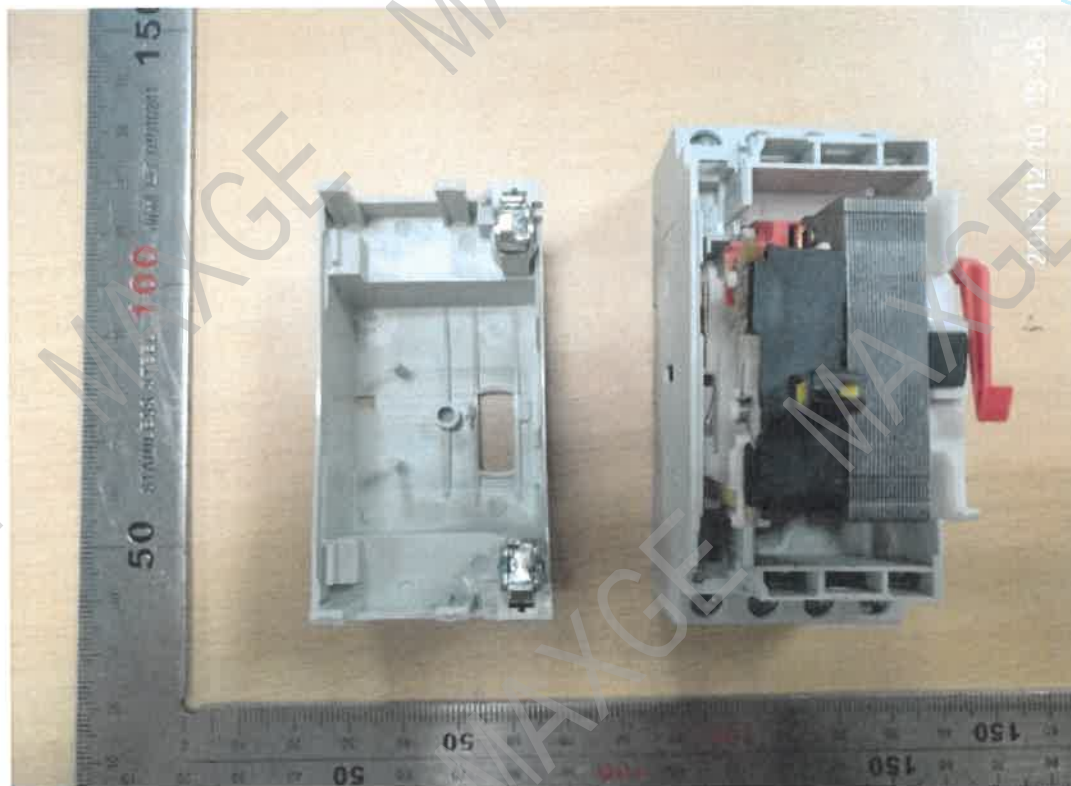
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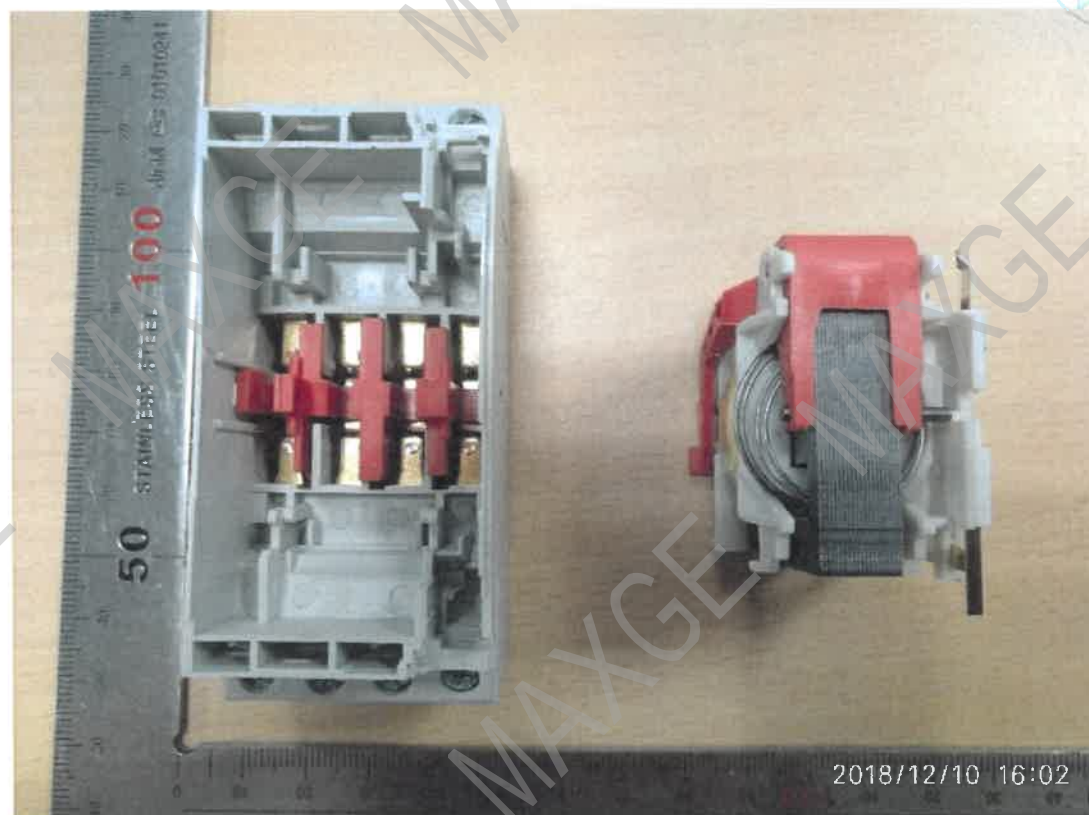
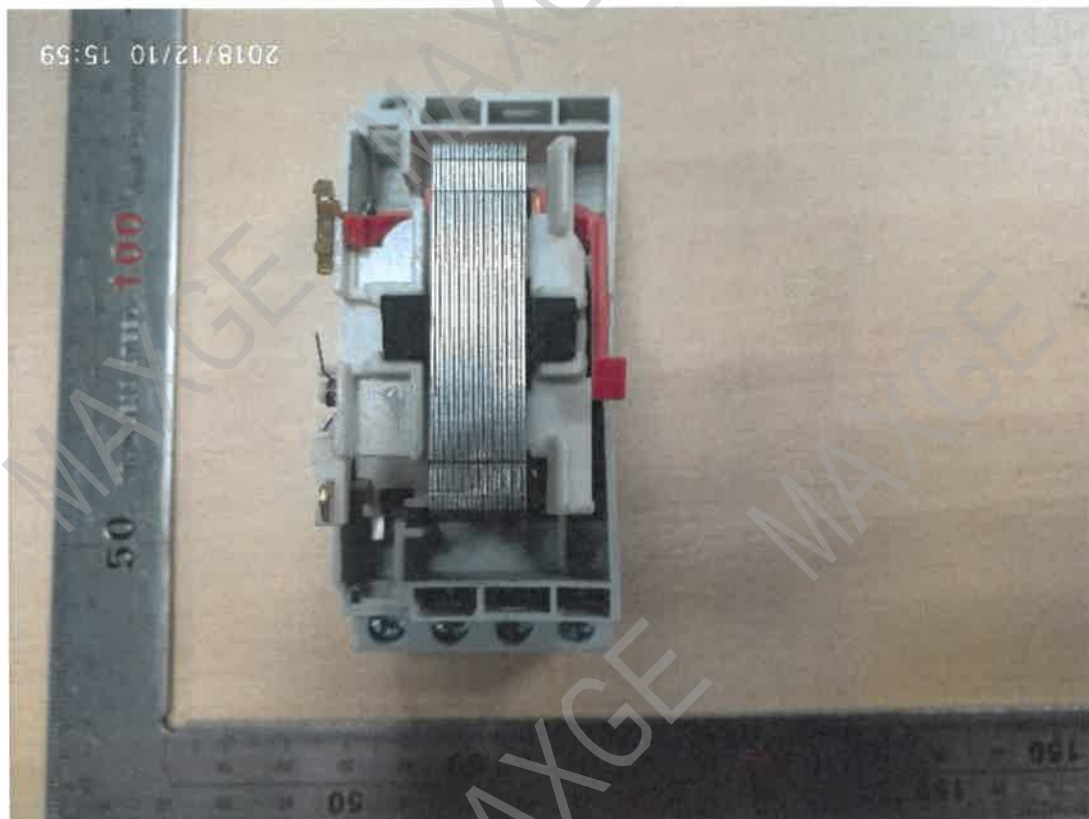


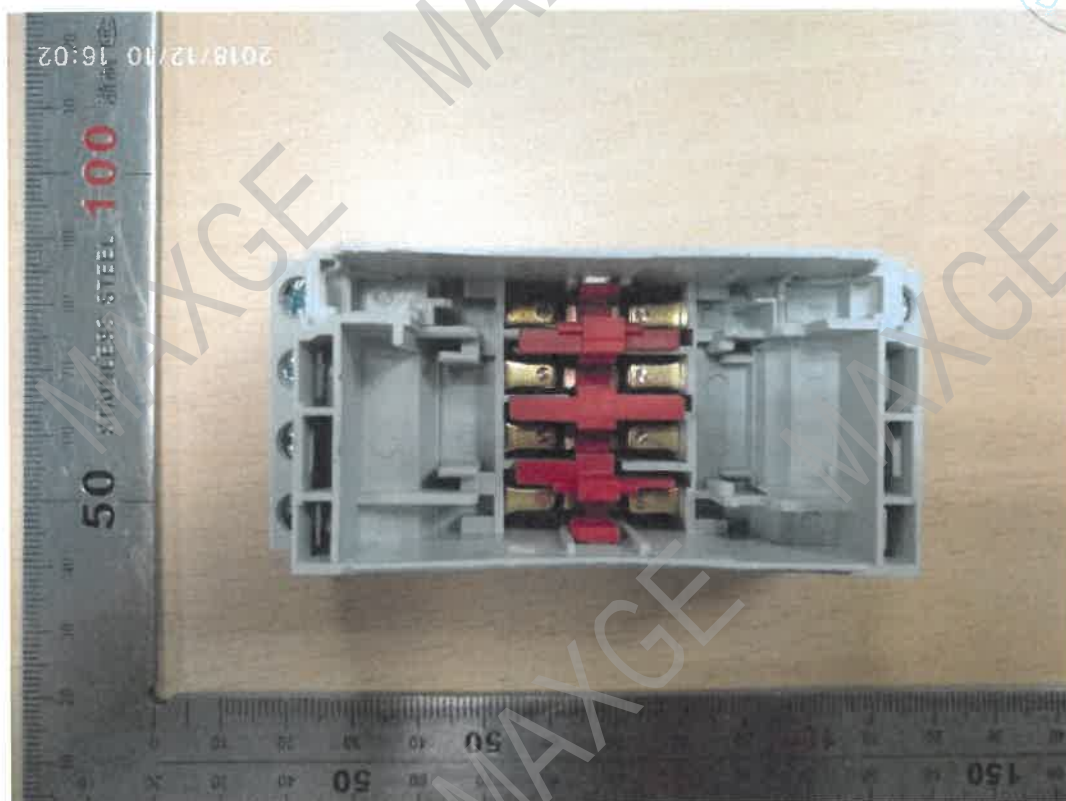
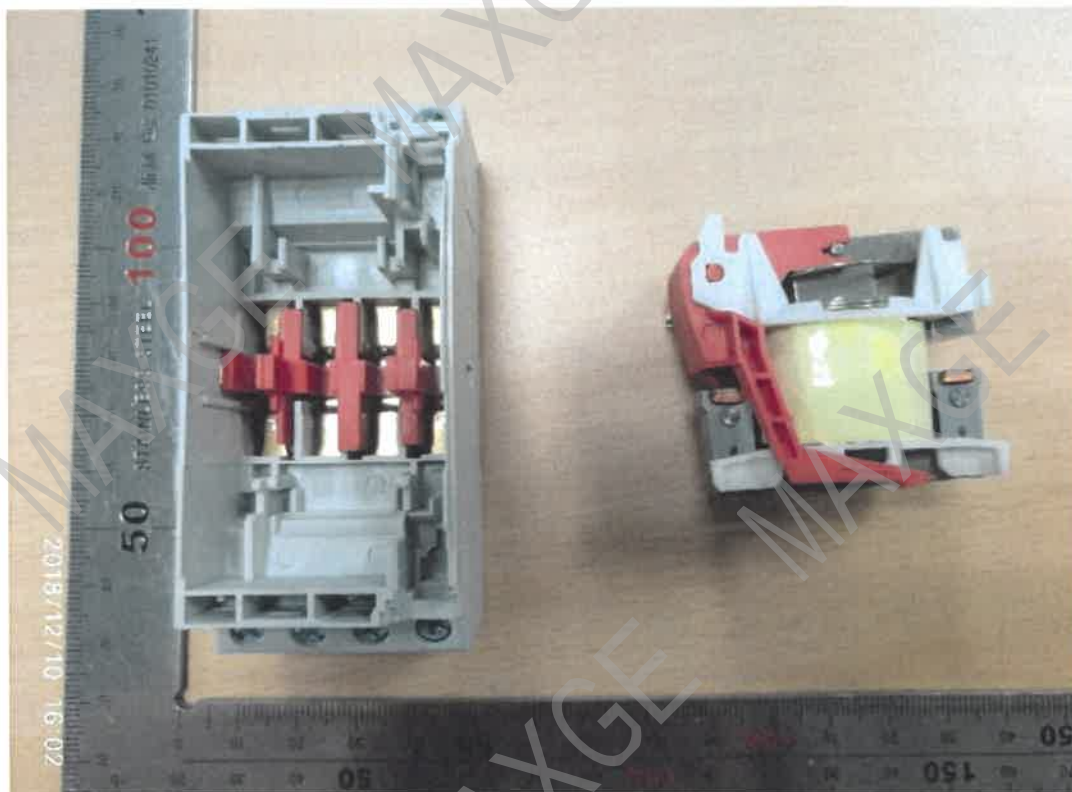


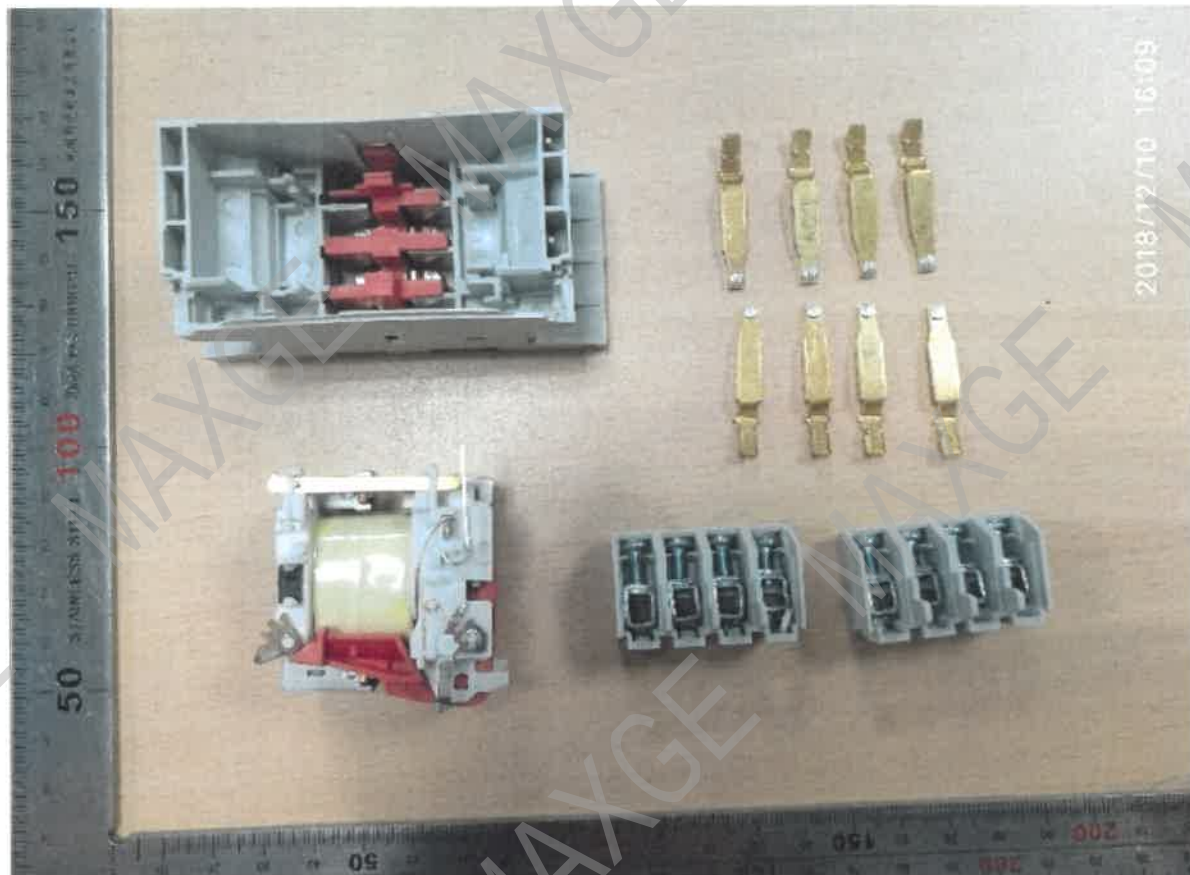


Inside instruction of EPC1-25-40M



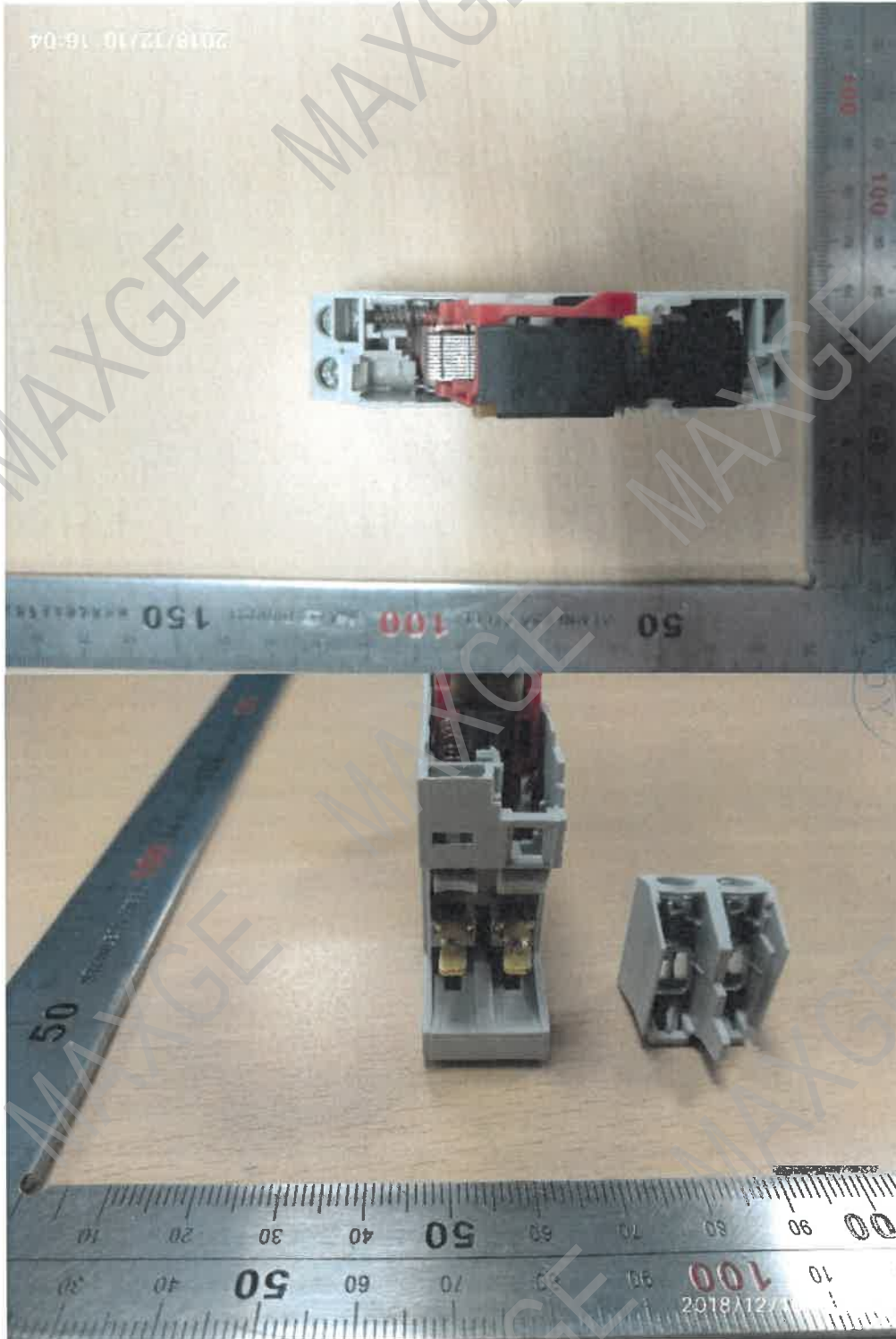


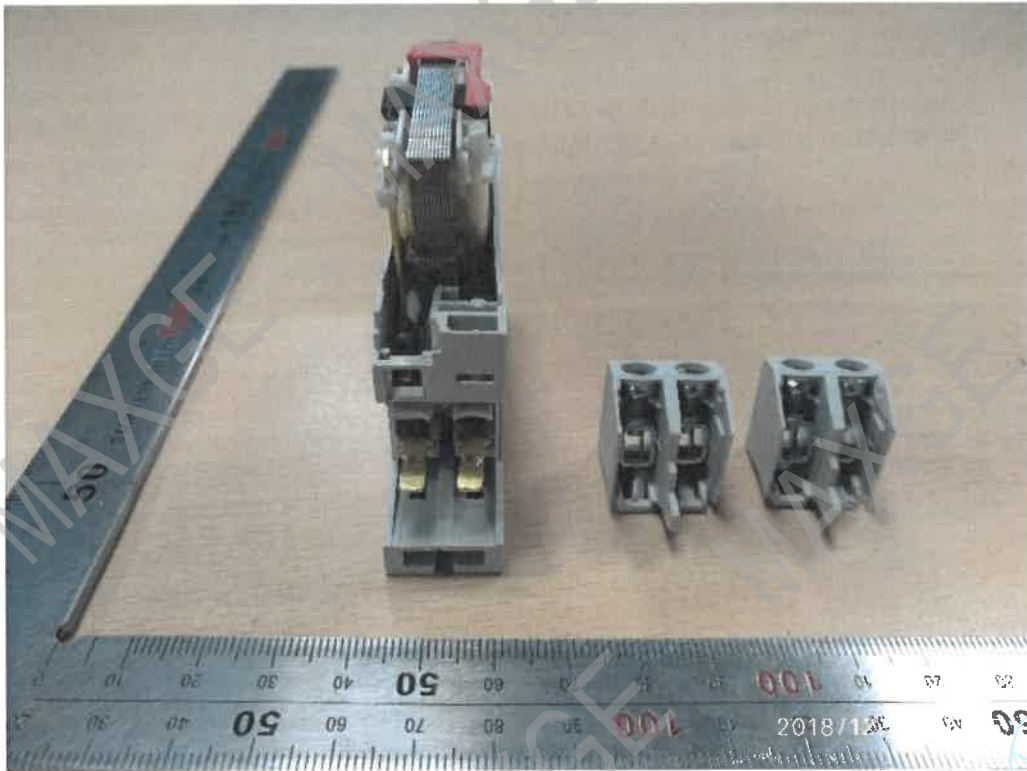




Inside instruction of EPC1-25-20M







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