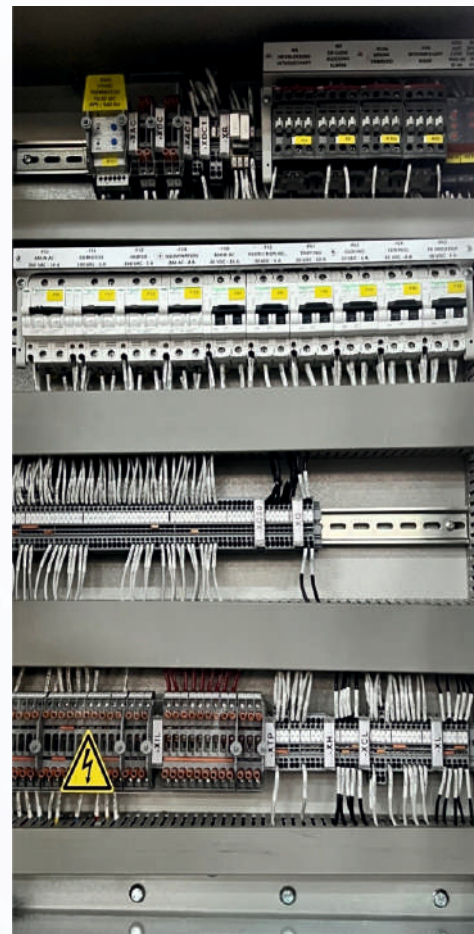






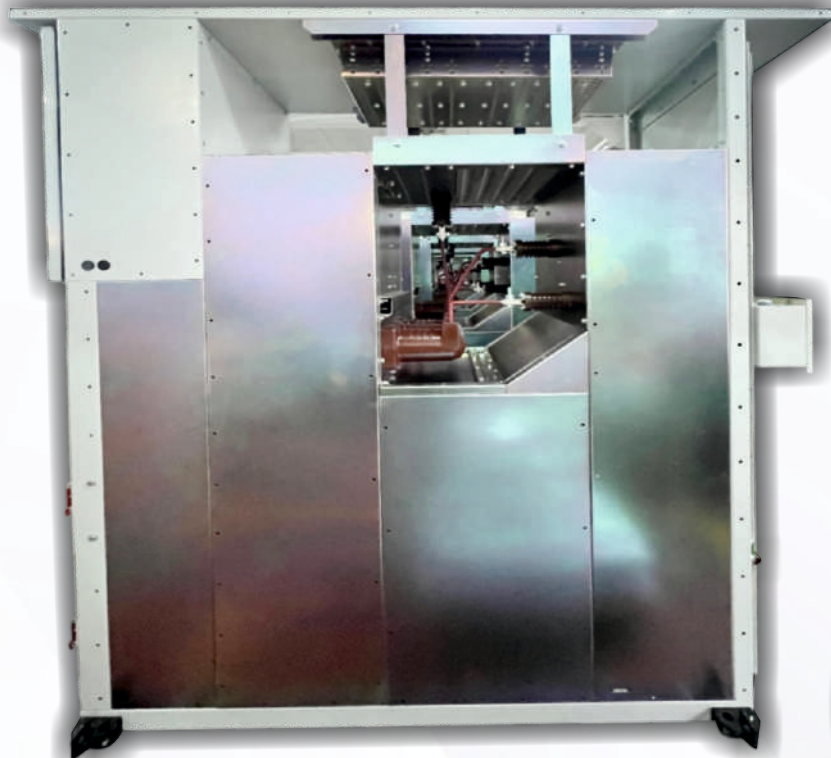


TYPICAL USAGE AND CLARIFICATION

EDQ15 type is factory-assembled and type tested metal-clad switchgear for indoor applications according to IEC 62271-200.

EDQ15 type switchgear can be used in substations for primary distribution. Applications can be found below;

- Power stations
- Cement Industry
- Iron and steel factories
- Rolling Mills
- Mining Industry
- Solar Power Plant
- Textile, paper and food industries
- Chemical industry
- Petroleum industry
- Pipeline installations
- Electrochemical Plants
- Diesel Power Plants
- Airports
- Wind Power Plants
- It can be used in any place which requires primary distribution.



FEATURES



- Type tested according to IEC 62271-200
- Type tested under 31.5kA short-circuit current 3s Earthing Switch
- Type tested under 31.5kA short-circuit current 3s for all compartments
- Type tested under IP41 protection level
- Usage of good quality components and quality checking before the usage.
- Quality control policy according to ISO 9001
- Availability of mechanical interlocks and bypass locations in terms of DC loss
- User friendly in terms of easy usage
- Can be operated smoothly
- Easy to maintain
- Easy to install
- Both electrical and mechanical indicators on panel
- Customer Benefits and Usage





FEATURES

EDQ 15 is a customer friendly product in which customers can use it easily because of its properties. These properties are low voltage plug of VCB, adjustable VCB trolley, independent shutter operation mechanism and etc. They are listed below;

Circuit breaker low voltage plug can be plugged in easily and without damaging any cable. It works vertically for easy operation. This method also let end users to install the VCB on its appropriate position.



VCB truck can be adjusted to the switchgear with its two hooks on front without affected any ground disturbance. It can be lifted from 620 to 940 mm height from the floor. It can be lockable from the wheels, and it has auto-locking mechanism while VCB is on it.



Shutters can be operated both dependently and independently without requiring any additional tool for it such as shutter truck, hook or etc. Two gibs are placed inside the VCB compartment which let them operate independently. If the red gib is pulled, busbar shutter works. If the yellow gib is pulled, feeder shutter works.



FEATURES

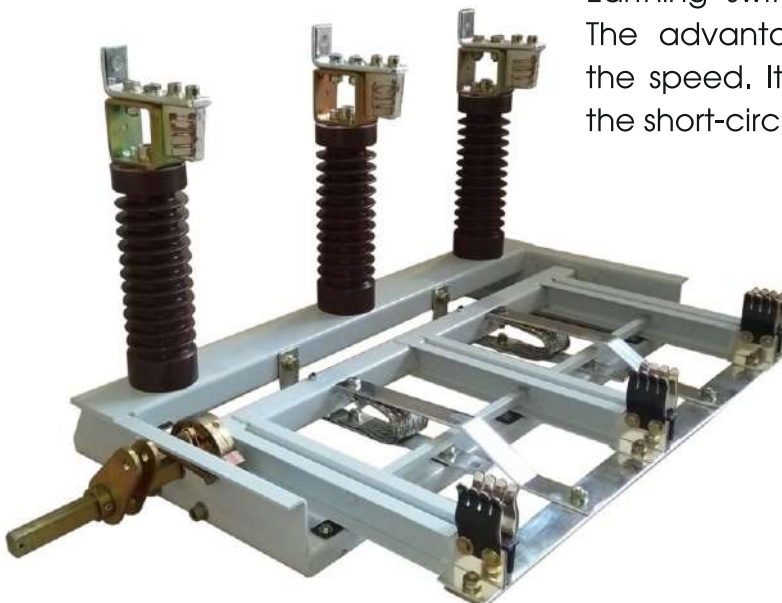


One button, S08-Interlocking Coil Off, can operate the panel by itself. If the proper interlocking rules are followed by the user, this button can be used to operate the panel, such as operating VCB (ON/ OFF), opening VCB rack in- rack out shutter, opening earthing switch shutter or earthing the main busbar.

Current Transformers can be replaced easily after removing primary and secondary cables, and bolts on the CT. Then the handle can be used to remove the CT from its current position to the outside of the switchgear.



Earthing switch can be operated smoothly and easily. The advantage of the ELPA design earthing switch is the speed. It can be closed very fast, and it proved on the short-circuit test within the type test for earthing switch.



FEATURES

Applicable Standard	IEC 62271-200	
Type Designation	EDQ15	
Rated Voltage	12	kV
Rated Current (@ 50°C)	800	A
Rated Busbar Current (@ 50°C)	800	A
Rated Frequency	50	Hz
Rated Insulation Level (AC/LI)	28/75	kV
Rated Short-time Withstand Current	31,5	kA
Duration Of Short-circuit	3	s
Loss Of Service Continuity Category	LSC 2B-PM	
Internal Arc Classification	IAC-A FLR	
Arc Test Current (1sec)	31,5 kA	
Dimensions (W x D x H)	700x1750x2376	mm
Ip Protection	IP41	
Control Voltage	30-110 VDC	
Aux. Voltage	240 VAC	

Earthing Switch	
Manufacturer	ELPA ŞALT TESİSLERİ SANAYİ VE TİCARET LTD. ŞTİ.
Type Designation	EDT15/31.5
Rated Voltage	12 kV
Frequency	50 Hz
Short-time Withstand Current	31.5 kA
Peak Withstand Current	80 kA
Duration Of Short-circuit	3 s
Short-circuit Making Current	31.5 kA

FEATURES



Circuit Breaker Compartment

It is the section which contains the medium voltage switching element of Circuit Breaker, Shutters and contacts in bushings which completes the circuit with the connection of circuit breakers female contacts and male contacts within the bushings.

Main Busbar Compartment

It is the metal section which contains the copper conductors which can resist to high current and short circuit and provides energy transmission between the boards and the epoxy resin support insulators and case insulators which axes these conductors to the board. To access the main busbar section either sides can be used (if the panels are not connected each other) or CB compartment can be used for installation and maintenance.



Cable Compartment

It is the section which includes current transformers, bushings which provide transmission with circuit breaker compartment, earthing switch, insulators and power cable entrance. In case of a replacement need of the current transformers, their removal and installation are fast and easy due to the sliding structure and handle. To reach the cable compartment, necessary actions must be taken such as switchgear must be earthed as cable must not be live for any unwanted results on human health. These protections are taken both electrical and mechanical within EDQ15..

Low Voltage Compartment

It is the section, which is equipped with every kind of protection relays, control elements and measuring instruments in line with system requirements. It is placed in a grounded metal case in order to protect end user from any kind of damage. It has proven within the type test according to IEC 62271-200. Materials on the Low voltage compartment and door are placed with respect to usage of the equipment respectively.



elpa[®]

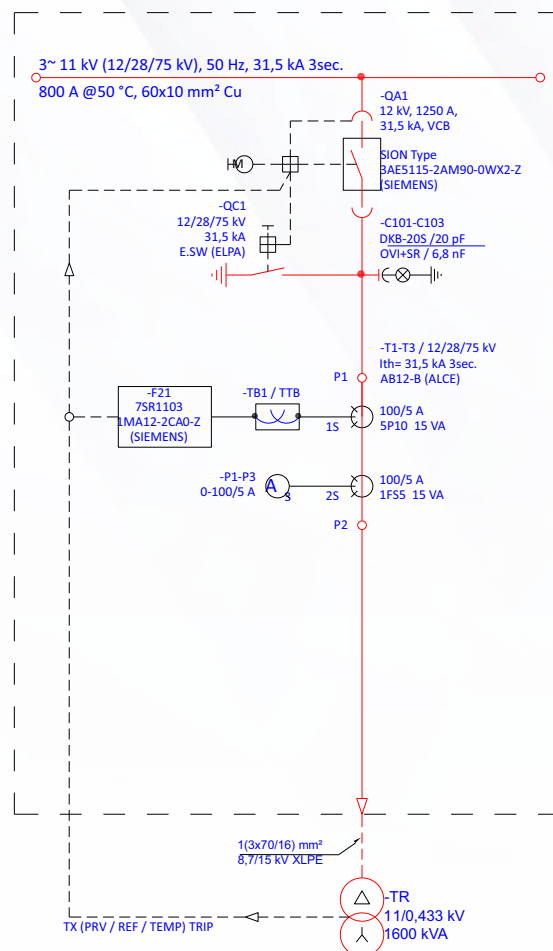




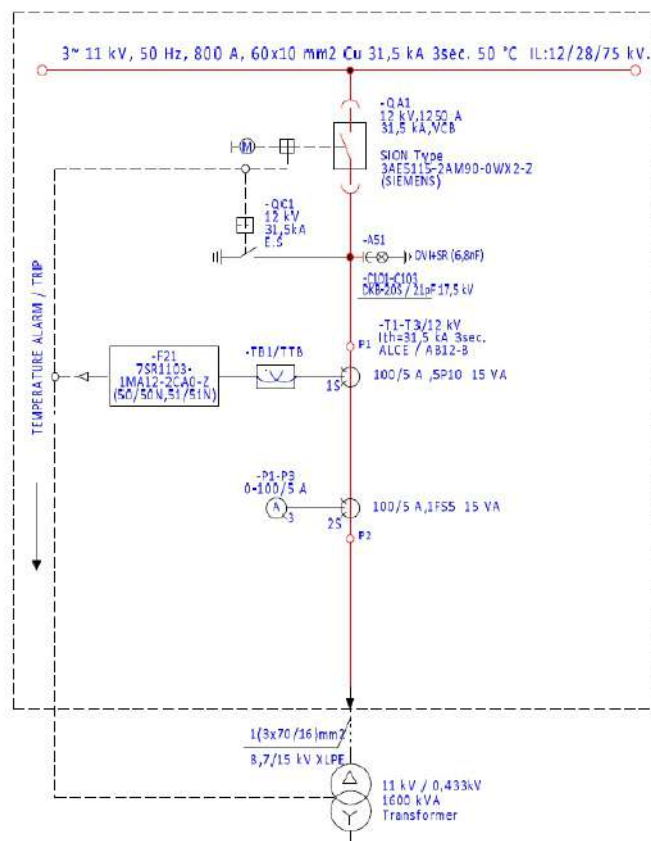
TYPES



TYPE:1
TRANSFORMER CB PANEL

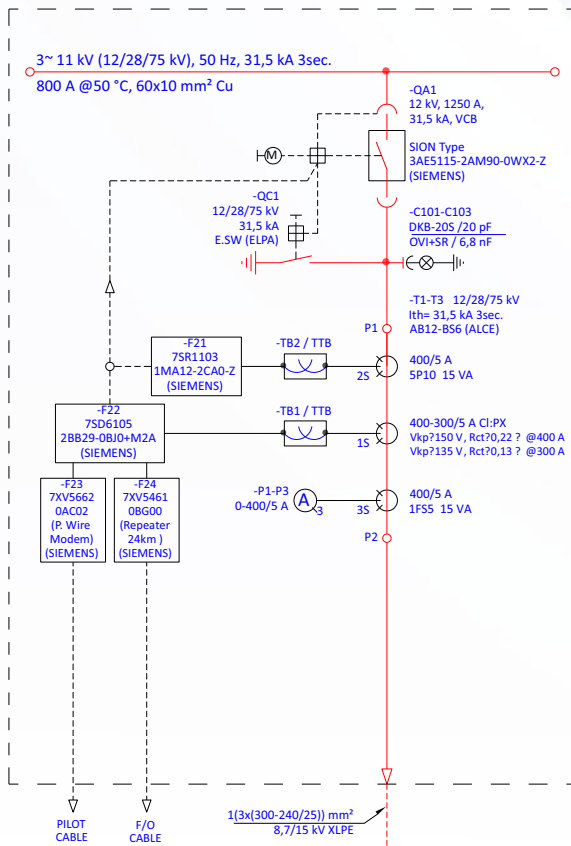


TYPE:1
Transformer CB Panel

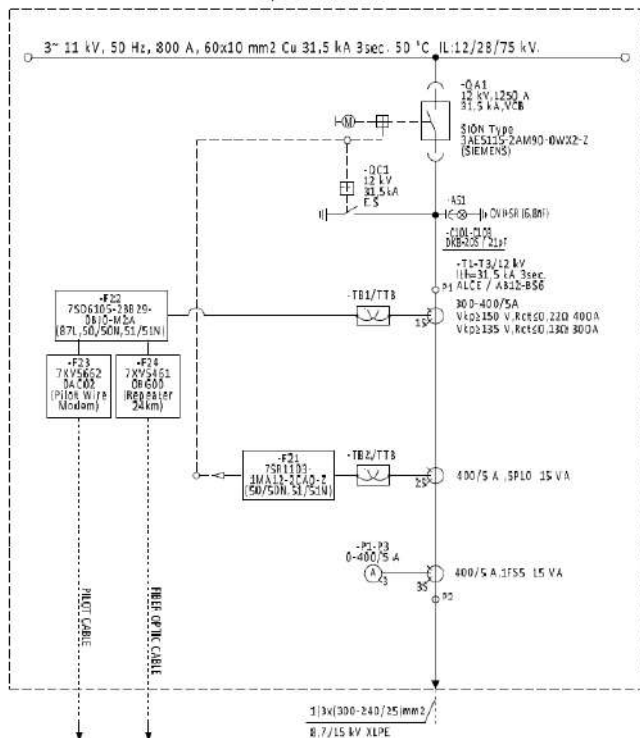


TYPES

TYPE:2
FEEDER CB PANEL WITH O/C & E/F
CABLE DIFFERENTIAL PROTECTION
F/O & PILOT WIRE



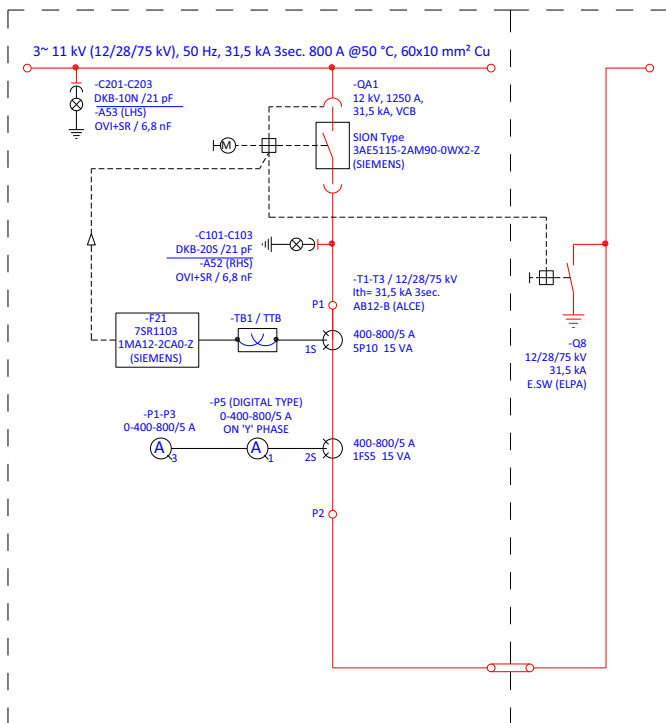
TYPE:2
Feeder CB Panel With
O/C & E/F & C.Diff. Prot.
F/O & Pilot Wire



TYPES

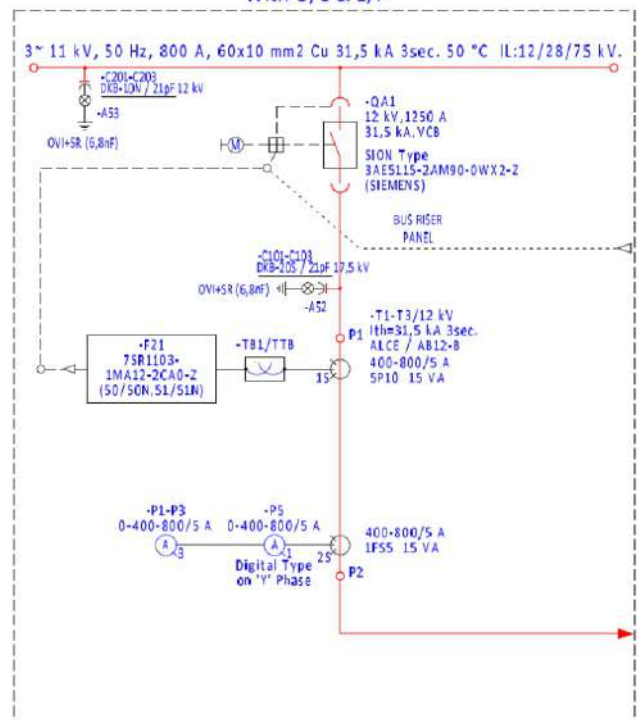


TYPE:3.1
BUS COUPLER CB PANEL
WITH O/C & E/F



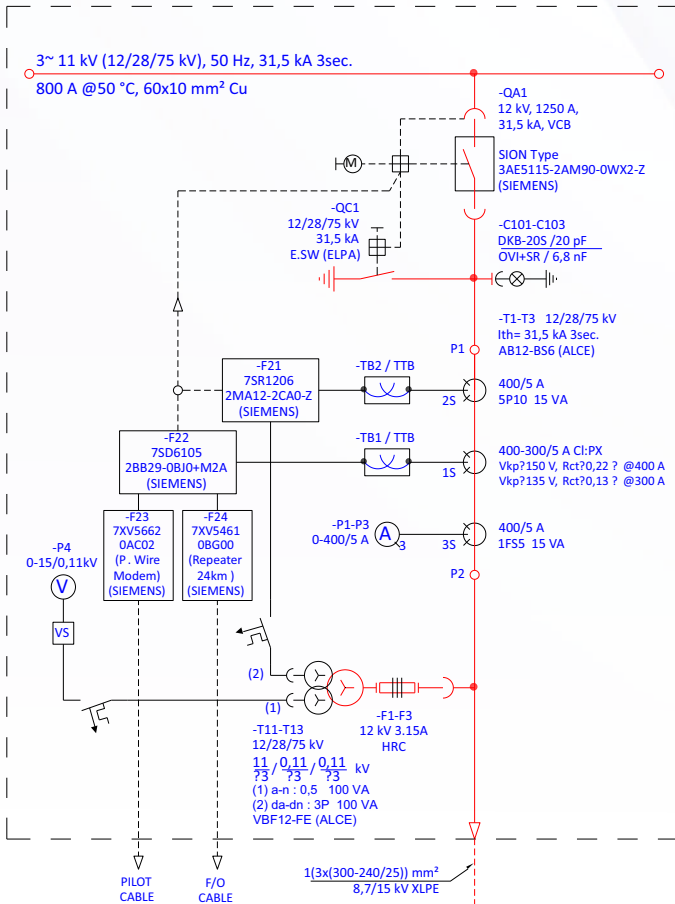
TYPE:3.2
BUS RISER PANEL

Type:3.1
Bus Coupler CB Panel
With O/C & E/F

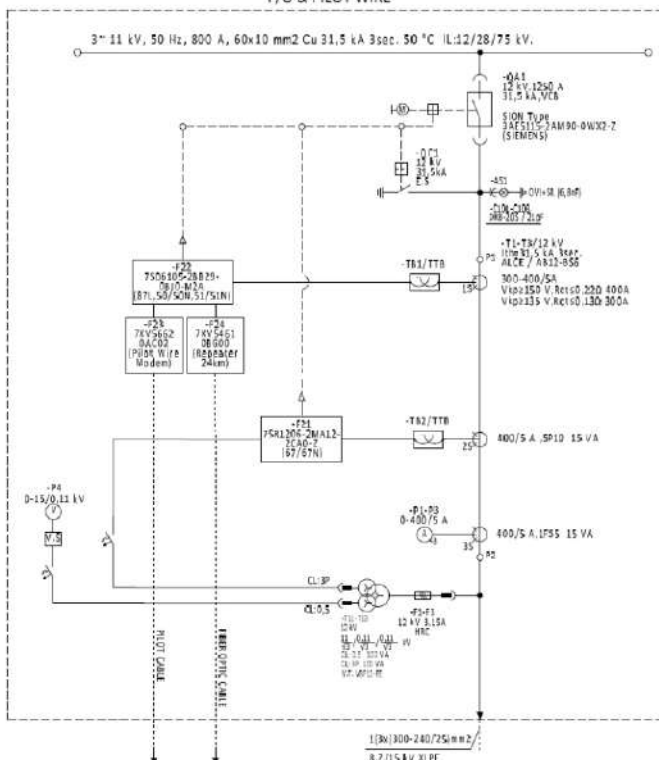


TYPES

TYPE:4
FEEDER CB PANEL WITH DOC/DEF
CABLE DIFFERENTIAL PROTECTION
F/O & PILOT WIRE



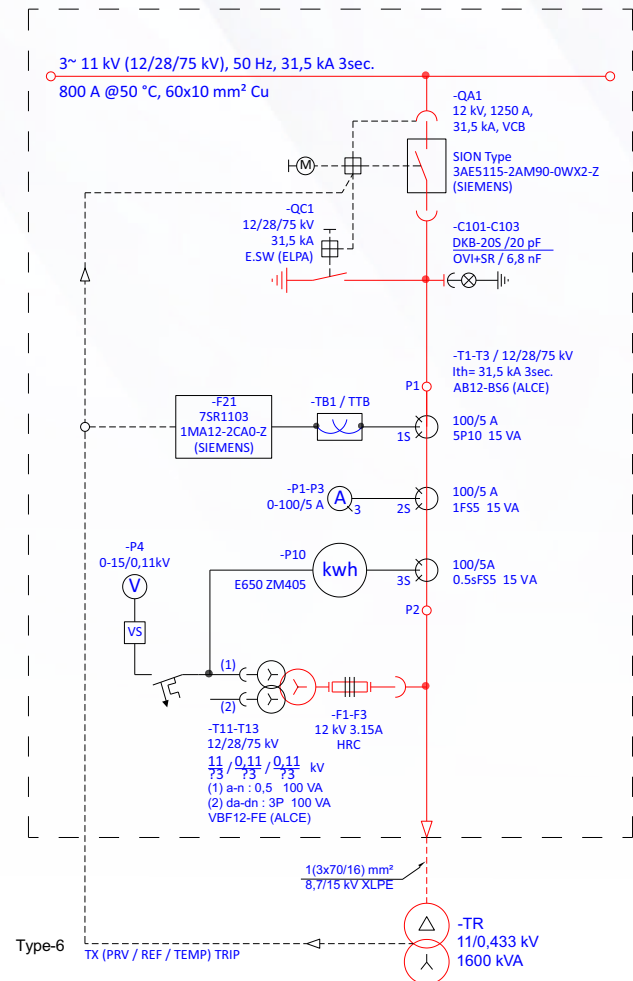
TYPE:4
Feeder CB Panel With
DOC & DEF & C.DIFF. PROT
F/O & PILOT WIRE



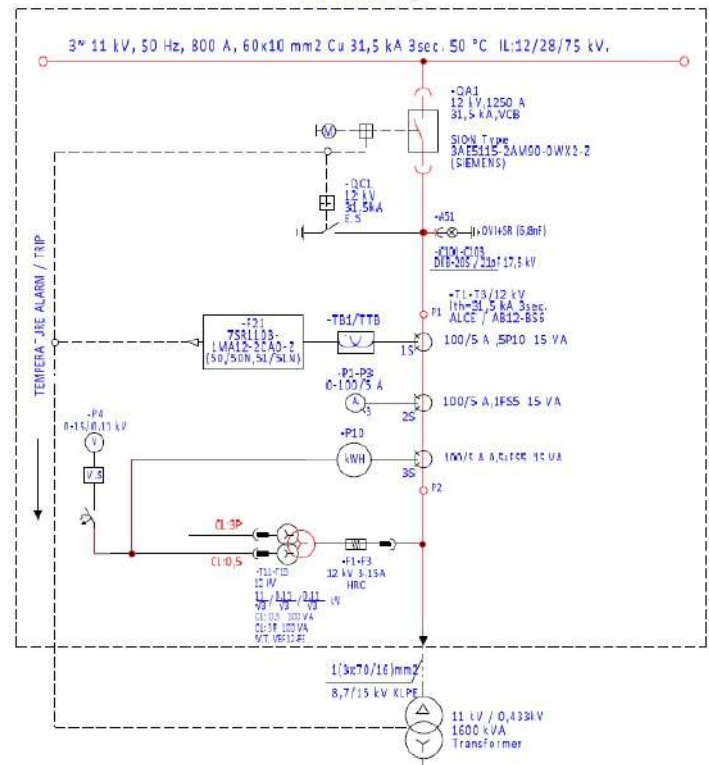
TYPES



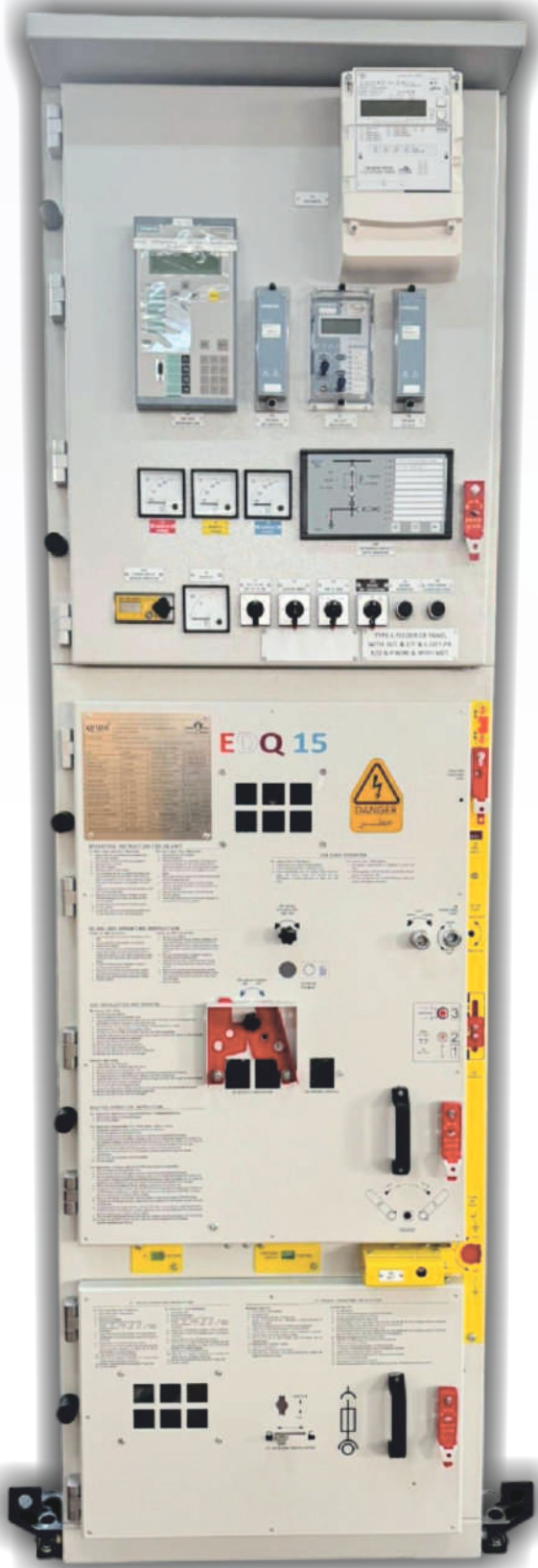
TYPE:5
TRANSFORMER CB PANEL
WITH METERING



TYPE:5
Transformer CB Panel
With Metering

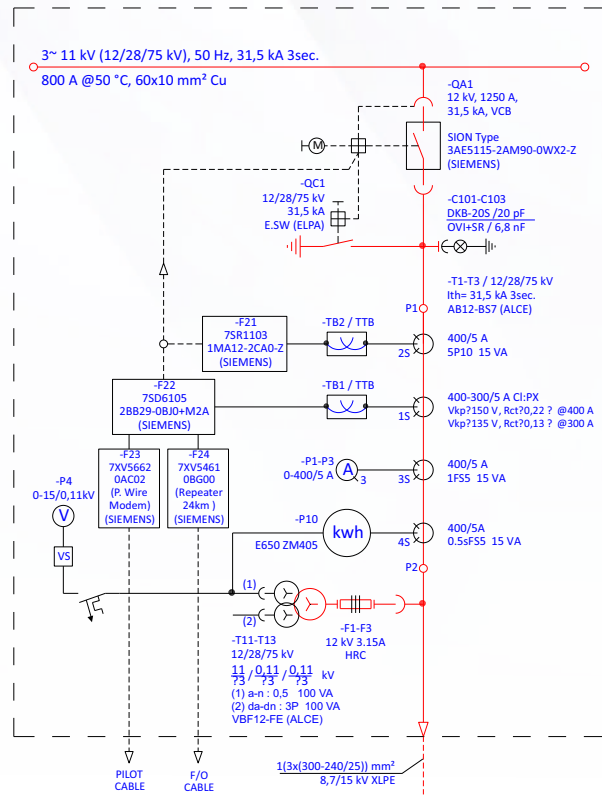


TYPES



TYPE:6

FEEDER CB PANEL WITH O/C & E/F
CABLE DIFFERENTIAL PROTECTION
F/O & PILOT WIRE WITH METERING



Type-7

TYPE:6 Feeder CB Panel With O/C & E/F & C.DIFF. Prot. F/O & P. Wire & With Metering

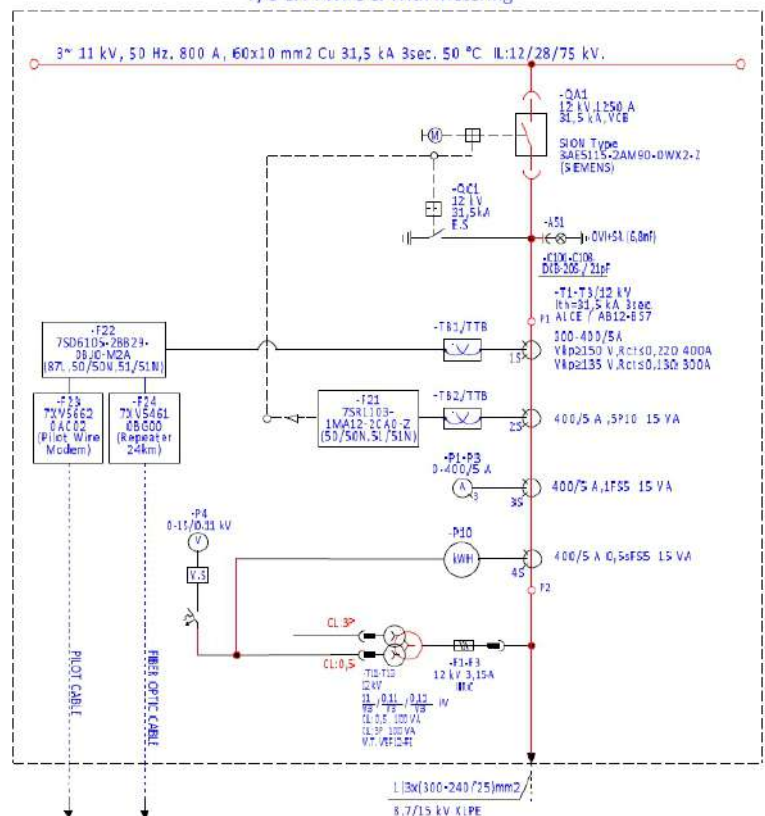
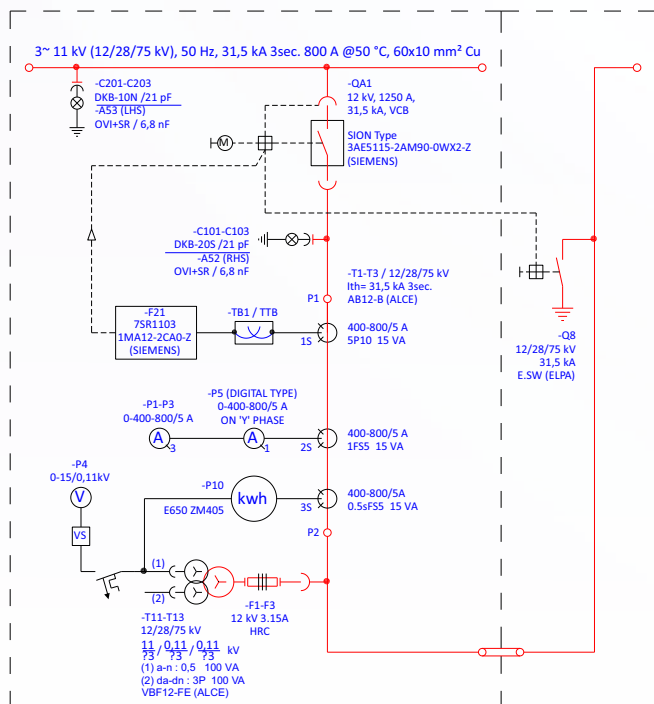
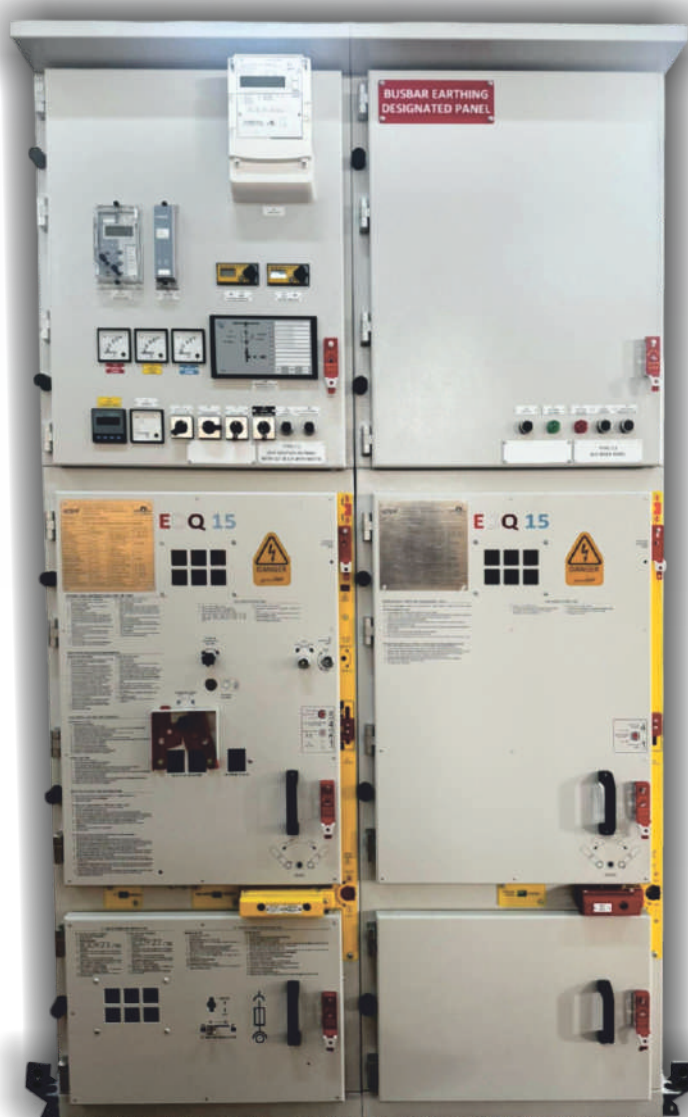
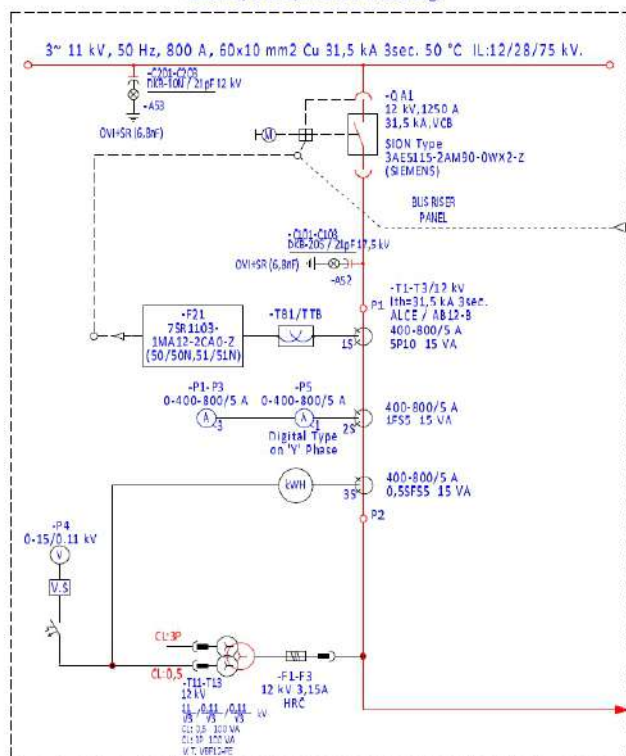


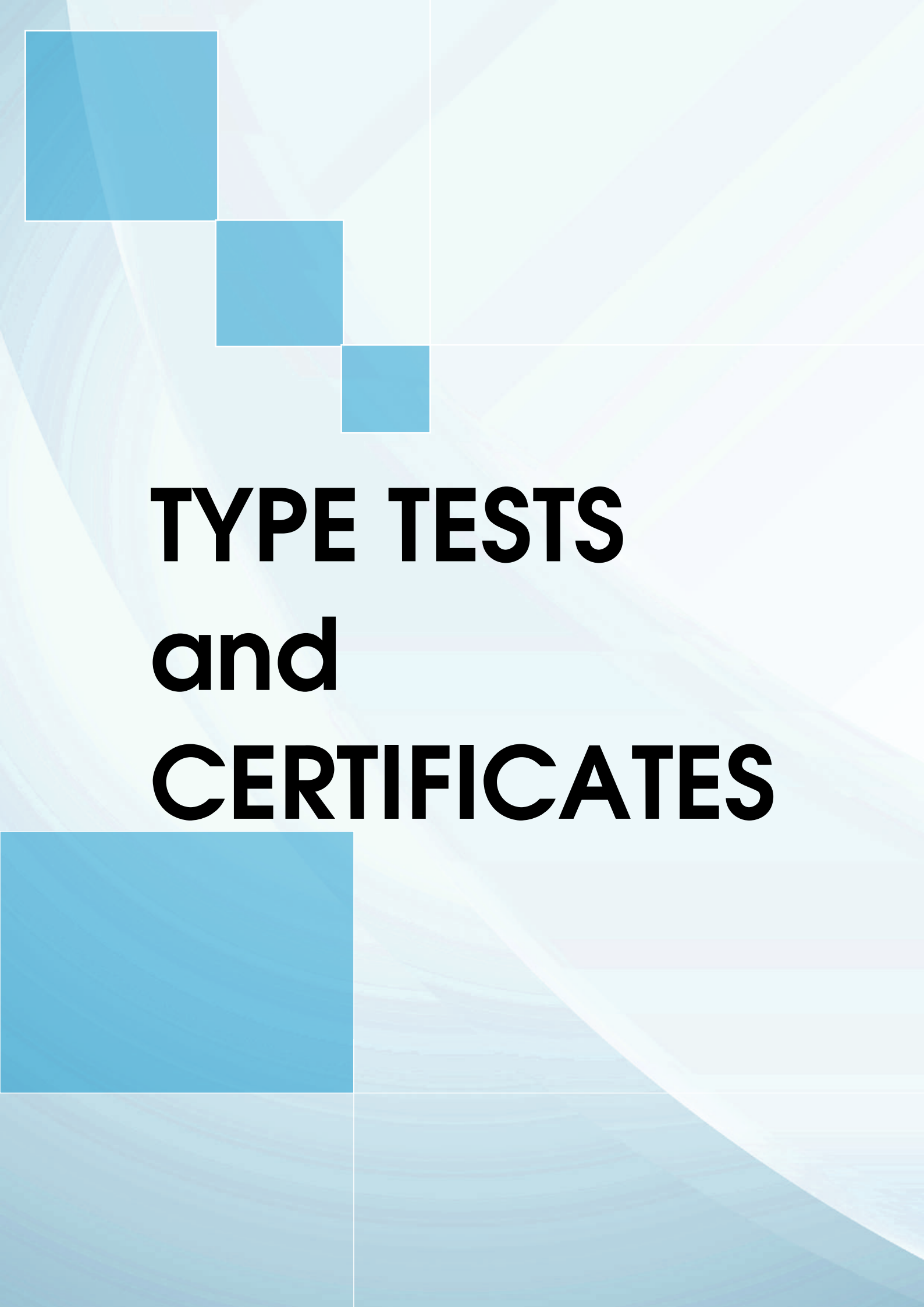
Figure 1. The effect of the number of nodes on the performance of the proposed algorithm

TYPE:7.2
BUS RISER PANEL



Type:7.1
Bus Coupler CB Panel
With O/C & E/F With Metering





TYPE TESTS and CERTIFICATES

KEMA TYPE TEST CERTIFICATE OF INTERNAL ARC PERFORMANCE

Object A three-phase air-insulated metal-enclosed switchgear unit, incorporating a three-pole withdrawable vacuum circuit-breaker and a three-pole earthing switch **2219-22**
Revision 2

Type EDQ15 **Serial No.** E1530/0026-T4,
E1530/0019-T6,
E1530/0032-T4

Rated voltage 12 kV **Rated normal current (busbar)** 800 A
Rated short-time withstand current 31,5 kA **Rated normal current (feeder)** 400 A
Rated frequency 50 Hz

Manufacturer Elpa Şalt Tesisleri San. Tic. Ltd. Şti.,
İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953,
Tuzla, İstanbul, Turkey

Client Elpa Şalt Tesisleri San. Tic. Ltd. Şti.,
İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953,
Tuzla, İstanbul, Turkey

Tested by KEMA B.V.,
Klingelbeekseweg 195, Arnhem, The Netherlands

Date of tests 16 August and 16 September 2022

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-200:2021 subclause 7.105 (Internal arc test).

This Certificate has been issued by KEMA Labs following exclusively the STL Guides and Procedures.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on page 6.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
*) as declared by the manufacturer

This Certificate consists of 75 pages in total.

KEMA B.V.


Shankar Subramany
Director, High-Power
Laboratory

Arnhem, 22 August 2023

KEMA TYPE TEST CERTIFICATE OF SHORT-CIRCUIT AND MAKING AND BREAKING PERFORMANCE

Object	A three-phase air-insulated metal-enclosed switchgear assembly, consisting of three units connected together			2218-22 Revision 3
Type	EDQ15	Serial No.	E1530/0035-T6	
Rated voltage	12 kV	Rated normal current (busbar)	800 A	
Rated short-time withstand current	31,5 kA	Rated normal current (feeder)	400 A	
Rated frequency	50 Hz			
Manufacturer	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, İstanbul, Turkey ¹⁾			
Client	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, İstanbul, Turkey			
Tested by	KEMA B.V., Klingelbeekseweg 195, Arnhem, The Netherlands			
Date of tests	22 July, 24 November 2022 and 15 August 2023			

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-200:2021 subclauses 7.6 (STC), 7.101 (Verification of making and breaking capacities) and 7.102 (Mechanical operation tests).

This Certificate has been issued by KEMA Labs following exclusively the STL Guides and Procedures.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on page 6.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
¹⁾ as declared by the manufacturer

This Certificate consists of 88 pages in total.

KEMA B.V.


Shankar Subramany
Director, High-Power
Laboratory

Arnhem, 22 August 2023

KEMA TYPE TEST CERTIFICATE OF SHORT-CIRCUIT PERFORMANCE

Object A three-pole withdrawable vacuum circuit-breaker in a three-phase air-insulated metal-enclosed switchgear unit **2158-23**

Type 3AE5115-2 **Serial No.** 3AE5/00043067

Rated voltage 12 kV **Rated normal current** 1250 A
Rated short-circuit breaking current 31,5 kA **Rated frequency** 50 Hz

Manufacturer Siemens AG,
Energy Management Division, Nonnendammallee 104, 13629 Berlin, Germany *)

Client Elpa Şalt Tesisleri San. Tic. Ltd. Şti.,
Istanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953,
Tuzla, Istanbul, Turkey

Tested by KEMA B.V.,
Klingelbeekseweg 195, Arnhem, The Netherlands

Date of tests 22, 26 July, 18, 19 August, 15 September to 12 October 2022 and 9 June 2023

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-100:2021 subclauses 7.6 (STC), 7.101.2 (Mechanical operation test),
7.102 to 7.107 (T10, T30, T60, T100), 7.108.2 (DEF), 7.110
(Out-of-phase) and 7.112 (Electrical endurance, list 3).

This Certificate has been issued by KEMA Labs following exclusively the STL Guides and Procedures.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on page 7.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
) as declared by the manufacturer

This Certificate consists of 281 pages in total.

KEMA B.V.


Shankar Subramany
Director, High-Power
Laboratory

Arnhem, 14 June 2023

KEMA TYPE TEST CERTIFICATE OF SHORT-CIRCUIT PERFORMANCE

Object A three-pole earthing switch in a three-phase air-insulated metal-enclosed switchgear unit 2222-22

Type EDT15/31.5 Serial No. 2022/06-47,
2022/08-88

Rated voltage 12 kV Rated frequency 50 Hz
Rated short-time withstand current 31,5 kA

Manufacturer Elpa Şalt Tesisleri San. Tic. Ltd. Şti.,
Istanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953,
Tuzla, Istanbul, Turkey¹⁾

Client Elpa Şalt Tesisleri San. Tic. Ltd. Şti.,
Istanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953,
Tuzla, Istanbul, Turkey

Tested by KEMA B.V., a CESI brand
Klingelbeekseweg 195, Arnhem, The Netherlands

Date of tests 22 July, 14 September, 25 November to 6 December 2022

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-102:2018 + A1:2022 subclauses 7.6 (STC), 7.101 (Making) and 7.102.3
(Mechanical endurance test).

This Certificate has been issued by KEMA Labs following exclusively the STL Guides and Procedures.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on page 6.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
¹⁾ as declared by the manufacturer

This Certificate consists of 77 pages in total.

KEMA B.V.


Shankar Subramany
Director, High-Power
Laboratory

Arnhem, 8 March 2023

KEMA TYPE TEST CERTIFICATE OF SWITCHING PERFORMANCE

Object	A three-pole withdrawable vacuum circuit-breaker in a three-phase air-insulated metal-enclosed switchgear unit		2221-22 Revision 2
Type	3AE5115-2	Serial No.	3AE5/00043067
Rated voltage	12 kV	Rated normal current	1250 A
Rated short-circuit breaking current	31,5 kA	Rated frequency	50 Hz
Manufacturer	Siemens AG, Energy Management Division, Nonnendammallee 104, 13629 Berlin, Germany *)		
Client	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, İstanbul, Turkey		
Tested by	KEMA B.V., Klingelbeekseweg 195, Arnhem, The Netherlands		
Date of tests	22, 26 July, 19 August and 22 September 2022		

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-100:2021 subclauses 7.102 and 7.111 (Capacitive current tests).

This Certificate has been issued by KEMA Labs following exclusively the STL Guides and Procedures.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on page 6.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
) as declared by the manufacturer

This Certificate consists of 162 pages in total.

KEMA B.V.


Shankar Subramany
Director, High-Power
Laboratory

Arnhem, 22 August 2023

KEMA TYPE TEST CERTIFICATE OF TEMPERATURE-RISE PERFORMANCE

Object	A three-phase air-insulated metal-enclosed switchgear assembly, consisting of four units connected together. Unit type 4, Unit type 6, Unit type 7.1 and Unit type 7.2.			1233-22 Revision 1
Type	EDQ15 Unit type 4 EDQ15 Unit type 6 EDQ15 Unit type 7.1 EDQ15 Unit type 7.2	Serial No.	E1530/0022-T4 E1530/0023-T6 E1530/0024-T7.1 E1530/0025-T7.2	
Rated voltage	12 kV	Rated normal current (busbar)	800 A	
Rated frequency	50 Hz	Rated current (feeder)	400 A	
Manufacturer	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, İstanbul, Turkey *)			
Client	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, İstanbul, Turkey			
Tested by	KEMA B.V., Klingelbeekseweg 195, Arnhem, the Netherlands			
Date of tests	26 to 29 July 2022			

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-200:2021 subclauses 7.4 and 7.5 (Continuous current tests)

This Certificate has been issued by KEMA Labs following exclusively the STL Guides.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on pages 5 to 11.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
¹ as declared by the manufacturer

This Certificate consists of 47 pages in total.

KEMA B.V.


Bas Verhoeven
Director, High-Voltage
Laboratory

Arnhem, 25 May 2023

KEMA TYPE TEST CERTIFICATE OF SHORT-CIRCUIT PERFORMANCE

Object	A three-pole withdrawable vacuum circuit-breaker in a three-phase air-insulated metal-enclosed switchgear unit		2220-22 Revision 1
Type	3AE5115-2	Serial No.	3AE5/00043067
Rated voltage	12 kV	Rated normal current	1250 A
Rated short-circuit breaking current	31,5 kA	Rated frequency	50 Hz
Manufacturer	Siemens AG, Energy Management Division, Nonnendammallee 104, 13629 Berlin, Germany *)		
Client	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., Istanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, Istanbul, Turkey		
Tested by	KEMA B.V., Klingelbeekseweg 195, Arnhem, The Netherlands		
Date of tests	22, 26 July, 18, 19 August, 15 September to 12 October 2022		

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-100:2021 subclauses 7.6 (STC), 7.101.2 (Mechanical operation test), 7.102 to 7.107 (T10, T30, T60, T100), 7.108.2 (DEF) and 7.110 (Out-of-phase).

This Certificate has been issued by KEMA Labs following exclusively the STL Guides and Procedures.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on page 6.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
*) as declared by the manufacturer

This Certificate consists of 147 pages in total.

KEMA B.V.


Shankar Subramany
Director, High-Power
Laboratory

Arnhem, 14 June 2023

KEMA TYPE TEST CERTIFICATE OF DIELECTRIC PERFORMANCE

Object	A three-phase air-insulated metal-enclosed switchgear assembly, consisting of three units connected together. Unit type 6, Unit type 7.1 and Unit type 7.2.			1234-22 Revision 1
Type	EDQ15 Unit type 6 EDQ15 Unit type 7.1 EDQ15 Unit type 7.2	Serial No.	E1530/0038-T6 E1530/0039-T7.1 E1530/0040-T7.2	
Rated voltage	12 kV	Rated normal current (busbar)	800 A	
Rated frequency	50 Hz	Rated normal current (feeder)	400 A	
Manufacturer	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, İstanbul, Turkey			
Client	Elpa Şalt Tesisleri San. Tic. Ltd. Şti., İstanbul Tuzla Kimyacılar OSB, Melek Aras Bulvarı No:22 34953, Tuzla, İstanbul, Turkey			
Tested by	KEMA B.V., Klingelbeekseweg 195, Arnhem, the Netherlands			
Date of tests	14 to 19 September 2022			

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 62271-200:2021 subclause 7.2 (Dielectric tests)

This Certificate has been issued by KEMA Labs following exclusively the STL Guides.

The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on pages 5 to 9.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.
as declared by the manufacturer

This Certificate consists of 37 pages in total.

KEMA B.V.


Bas Verhoeven
Director, High-Voltage
Laboratory

Arnhem, 25 May 2023



CERTIFICATE

ELPA ŞALT TESİSLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ

İSTANBUL TUZLA KİMYA SANAYİCİLERİ OSB MELEK ARAS BUL. NO:22
TUZLA / İSTANBUL / TÜRKİYE

*Has been assessed and found to comply with the requirements of:
Denetlenmiş ve aşağıdaki standardın gerekliliklerine uygunluğu görülmüştür:*

ISO 9001:2015

*The Quality Management System is applicable to:
Kalite Yönetim Sistemi:*

DESIGN, PRODUCTION, SALES AND SERVICE OF LOW AND MEDIUM VOLTAGE
SWITCHGEAR PANELS FROM 0.4 KV TO 36 KV

0,4 KV'DEN 36 KV'YE KADAR ALÇAK VE ORTA GERİLİM ŞALT PANOLARININ
DİZAYNI, ÜRETİMİ, SATIŞI VE SERVİSİ

Certificate Number: QMS-002673
Belge Numarası: QMS-002673

Initial Certification Date: 14.08.2024
İlk Belgelendirme Tarihi: 14.08.2024

Certification Period: 3 Years
Belgelendirme Periyodu: 3 Yıl

Certificate Validity Date: 13.08.2025
Belge Geçerlilik Tarihi: 13.08.2025



IQR Sertifikasyon Onayı



IQR ULUSLARARASI BELGELENDİRME HİZMETLERİ LTD.ŞTİ.

Beşevler Mah. Kocayunus Sk. No:3 Arslan Han Plaza K:2 Nilüfer / BURSA

Tel.: +90.224.266 00 16 Faks: +90.224.249 41 13 www.iqrcert.com e-posta: info@iqrcert.com



CERTIFICATE

ELPA ŞALT TESİSLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ

İSTANBUL TUZLA KİMYA SANAYİCİLERİ OSB MELEK ARAS BUL. NO:22
TUZLA / İSTANBUL / TÜRKİYE

*Has been assessed and found to comply with the requirements of:
Denetlenmiş ve aşağıdaki standardın gerekliliklerine uygunluğu görülmüştür:*

ISO 14001:2015

*The Environmental Management System is applicable to
Çevre Yönetim Sistemi:*

DESIGN, PRODUCTION, SALES AND SERVICE OF LOW AND MEDIUM VOLTAGE
SWITCHGEAR PANELS FROM 0.4 KV TO 36 KV

0,4 KV'DEN 36 KV'YE KADAR ALÇAK VE ORTA GERİLİM ŞALT PANOLARININ
DİZAYNI, ÜRETİMİ, SATIŞI VE SERVİSİ

Certificate Number: EMS-002673
Belge Numarası: EMS-002673

Initial Certification Date: 14.08.2024
İlk Belgelendirme Tarihi: 14.08.2024

Certification Period: 3 Years
Belgelendirme Periyodu: 3 Yıl

Certificate Validity Date: 13.08.2025
Belge Geçerlilik Tarihi: 13.08.2025



IQR Sertifikasyon Onayı



ACCREDITED
Management Systems
Certification Body
MSCB-135

IQR ULUSLARARASI BELGELENDİRME HİZMETLERİ LTD.ŞTİ.

Beşevler Mah. Kocayunus Sk. No:3 Arslan Han Plaza K:2 Nilüfer / BURSA

Tel.: +90.224.286 00 16 Faks: +90.224.249 41 13 www.iqrcert.com e-posta: info@iqrcert.com



CERTIFICATE

ELPA ŞALT TESİSLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ

İSTANBUL TUZLA KİMYA SANAYİCİLERİ OSB MELEK ARAS BUL. NO:22
TUZLA / İSTANBUL / TÜRKİYE

Has been assessed and found to comply with the requirements of:
Denetlenmiş ve aşağıdaki standardın gerekliliklerine uygunluğu görülmüştür:

ISO 45001:2018

The Occupational Health and Safety Management System is applicable to:
İş Sağlığı Ve Güvenliği Yönetim Sistemi:

DESIGN, PRODUCTION, SALES AND SERVICE OF LOW AND MEDIUM VOLTAGE
SWITCHGEAR PANELS FROM 0.4 KV TO 36 KV

0,4 KV'DEN 36 KV'YE KADAR ALÇAK VE ORTA GERİLİM ŞALT PANOLARININ
DİZAYNI, ÜRETİMİ, SATIŞI VE SERVİSİ

Certificate Number: OHSMS-001192
Belge Numarası: OHSMS-001192

Initial Certification Date: 14.08.2024
İlk Belgelendirme Tarihi: 14.08.2024

Certification Period: 3 Years
Belgelendirme Periyodu: 3 Yıl

Certificate Validity Date: 13.08.2025
Belge Geçerlilik Tarihi: 13.08.2025



IQR Sertifikasyon Onayı



ACCREDITED
Management Systems
Certification Body
MSCB-135

IQR ULUSLARARASI BELGELENDİRME HİZMETLERİ LTD.ŞTİ.

Beşevler Mah. Kocayunus Sk. No:3 Arslan Han Plaza K:2 Nilüfer / BURSA

Tel.: +90.224.266 00 16 Faks: +90.224.249 41 13 www.iqrcert.com e-posta: info@iqrcert.com

Applicant : KEMA B.V.
Klingelbeekseweg 195
6812 DE Arnhem
Netherlands

Application date : 17 October 2022

Order number : 226978300

Product : A three-phase air-insulated metal-enclosed switchgear assembly,
consisting of three units connected together.
Unit type 4, Unit type 7.1 and Unit type 7.2.

Trade name : ELPA

Type/Model – Serial No : EDQ15 Unit type 4 – E1530/0032-T4
EDQ15 Unit type 7.1 – E1530/024-T7.1
EDQ15 Unit type 7.2 – E1530/0025-T7.2

Arnhem, 9 March 2023

Manufacturer/ Production site : Elpa Şalt Tesisleri San. Tic. Ltd. Şti.
İstanbul Tuzla Kimyacılar OSB
Melek Aras Bulvarı No:22 34953
Tuzla, İstanbul, Turkey

Subject : Degree of protection against external mechanical impact
provided by enclosure, IK07
Degree of protection provided by enclosure, IP3X and IP41

Test requirements : IEC 62262:2002 + A1:2021
IEC 60529:1989 + A1:1999 + A2:2013
EN 60529:1991 + A1:2000 + A2:2013

Conclusion : The product complies with the specified requirements

Tested by : B. van Vliet

Supervised by : C.C. Burger

Checked by : L.S.M. Mooi

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Test Laboratuvarları

LVT Test Laboratuvarları Ltd. Şti.

www.lvt.com.tr
Saray Modern Keresteciler Sanayi Sitesi 4.Cadde No:9
Kazan / ANKARA
Tel: 0 312 815 13 25-26 Faks: 0 312 815 13 27



AB-0341-T

23-1745-
R0-N1-1

06-23

DENEY RAPORU

Test Report

1/14

Client : ELPA ŞALT TESİSLERİ SAN. VE TİC. LTD. ŞTİ.
Address : İSTANBUL TUZLA KİMYA SANAYİCİLERİ ORG. SAN. BÖLGESİ MELEK ARAS
BULVARI NO:22 TUZLA/İSTANBUL
Manufacturer : ELPA ŞALT TESİSLERİ SAN. VE TİC. LTD. ŞTİ.
Order No : 23-1745-R0
Test Sample : 12 kV 1250 A 31,5 kA METAL CLAD
Trade Mark : ELPA
Test Method : IEC 62271-1 :2017+AMD1:2021 CSV, IEC 62271-200:2021
Date of Test : 16.06.2023
Total Number of Pages : 14
Date of Issue : 17.06.2023

LVT Test Laboratuvarları Ltd. Şti. accredited by TÜRKAK under registration number AB-0341-T for IEC/ISO 17025:2017 as test laboratory.

The Turkish Accreditation Agency (TÜRKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreements (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports

The test and / or measurements results, the uncertainties (if required) with confidence probability and test methods are given on the following pages which are part of this report.

Seal



Person in Charge of
Test

Bahadır ÇELİK

Department Manager

Ata Gürül ARSLANLI



You can check the report details
via QR code.

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FRT.38/Rev06/0422



As Elpa, we have proven our quality, experience and power in our energy distribution products in 27 countries to date.

With our quality product policy and innovative perspective, we continue our journey to become a leading production company in the electricity sector and to sell our products in all countries.



ELPA ŞALT TESİSLERİ SAN. VE TİC. LTD. ŞTİ.

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