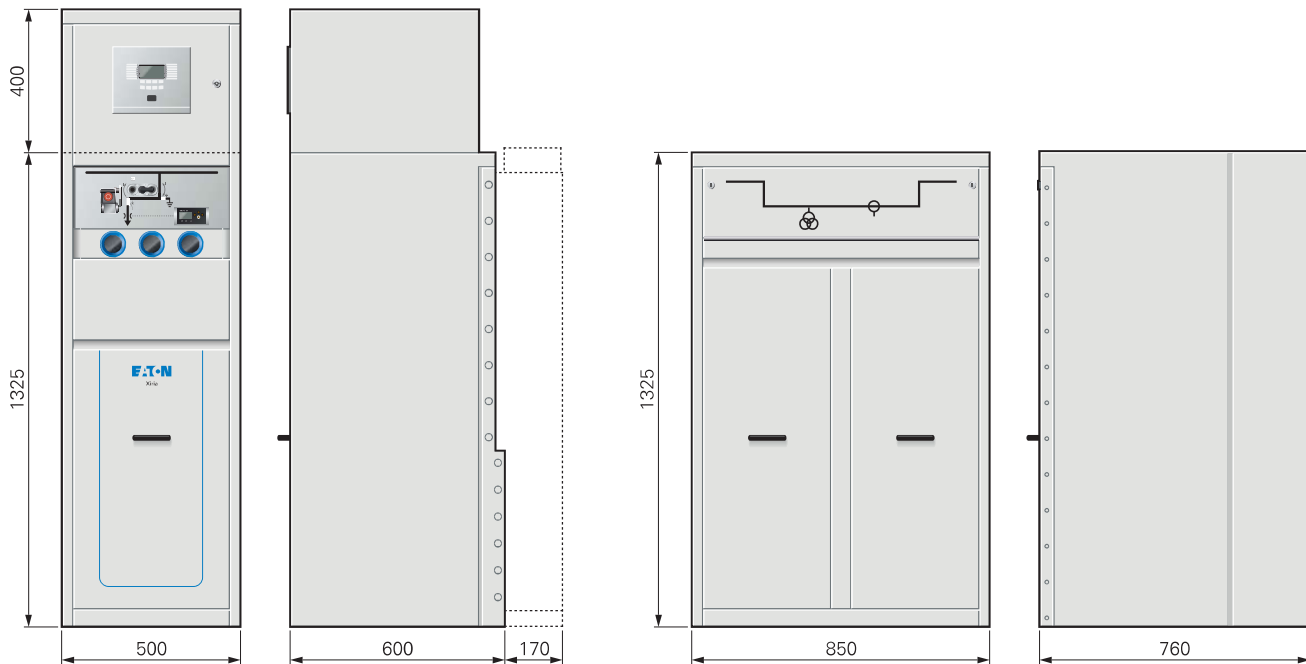


## Dimensions (mm)



**Circuit-breaker panel**

**Transformer panel**

**Load-break switch panel**

**Busriser panel**

**Busbar sectionaliser panel**

**Direct busbar panel**

**Metering panel**

## Standards

### Xiria E complies with the following international standards

IEC 62271-1	Common specifications for high-voltage switchgear and control gear standards
IEC 62271-100	High-voltage alternating-current circuit-breakers
IEC 62271-102	Alternating current disconnectors and earthing switches
IEC 62271-103	High-voltage switches
IEC 62271-200	A.C. metal-enclosed switchgear and control gear for rated voltages above 1 kV and up to and including 52 kV
IEC 62271-304	Additional requirements for enclosed switchgear and control gear from 1 kV to 72.5 kV to be used in severe climatic conditions
IEC 60529	Degrees of protection provided by enclosures
IEC 60044-1	Instrument transformers - Part 1: Current transformers
IEC 60044-2	Instrument transformers - Part 2: Inductive voltage transformers
EN 50181	Plug-in type bushings above 1 kV up to 36 kV
ISO 9001:2000	Quality
ISO 14001	Environmental management



# Electrical Data

<b>General</b>		<b>3.6 kV</b>	<b>7.2 kV</b>	<b>12 kV</b>	<b>17.5 kV</b>	<b>24 kV</b>
Rated voltage	kV	3,6	7,2	12	17,5	24
Impulse withstand voltage	kV	40	60	75 / 95	95	125
Power frequency withstand voltage	kV-1m	10	20	28 / 38 / 42	38	50
Rated frequency	Hz	50/60	50/60	50/60	50/60	50/60
Loss of service continuity		LSC2B	LSC2B	LSC2B	LSC2B	LSC2B
Partition class		PM	PM	PM	PM	PM
Internal Arc Classification (IAC)		AFL	AFL	AFL	AFL	AFL
Internal arc resistance	kA - s	20 - 1	20 - 1	20 - 1	20 - 1	20 - 1
Internal arc resistance with absorber	kA - s	16 - 1	16 - 1	16 - 1	16 - 1	16 - 1
Internal arc resistance cable compartment	kA - s	16 - 1	16 - 1	16 - 1	16 - 1	16 - 1
Internal arc resistance cable comp. alternative	kA - s	20 - 1	20 - 1	20 - 1	20 - 1	20 - 1
Degree of protection in service		IP31D	IP31D	IP31D	IP31D	IP31D
Degree of protection with doors/covers open		IP2X	IP2X	IP2X	IP2X	IP2X
Ambient air temperature range	°C	-25 +40	-25 +40	-25 +40	-25 +40	-25 +40
<b>Busbar system</b>						
Rated normal current	A	630	630	630	630	630
Rated short-time withstand current	kA - s	20 - 1	20 - 1	20 - 1	20 - 1	20 - 1
Rated short time withstand current alternative	kA - s	20 - 3	20 - 3	20 - 3	20 - 3	20 - 3
Rated peak withstand current	kA	50	50	50	50	50
<b>Load break switches</b>						
Rated normal current	A	630	630	630	630	630
Rated active load break current	A	630	630	630	630	630
Rated short-circuit making current	kA	50	50	50	50	50
Rated short-time withstand current	kA - s	20 - 1	20 - 1	20 - 1	20 - 1	20 - 1
Rated short-time withstand current alternative	kA - s	20 - 3	20 - 3	20 - 3	20 - 3	20 - 3
Rated Cable Charging Breaking Current	A	31,5	31,5	31,5	31,5	31,5
Mechanical Endurance Class		M2 5000 x	M2 5000 x	M2 5000 x	M2 5000 x	M2 5000 x
Mechanical Endurance Class as Earth Switch		M0	M0	M0	M0	M0
Mechanical Endurance Class Disconnecter		M0	M0	M0	M0	M0
Electrical Endurance Class		E3	E3	E3	E3	E3
Electrical Endurance Class as Earth Switch		E2	E2	E2	E2	E2
<b>Circuit-breakers</b>						
Rated normal current	A	630	630	630	630	630
Rated breaking current	kA	20	20	20	20	20
Rated short-circuit making current	kA	50	50	50	50	50
Rated Capacitive Switching Current Class		C2	C2	C2	C2	C2
Rated Cable Charging Breaking Current	A	31,5	31,5	31,5	31,5	31,5
DC Time Constant	msec	45	45	45	45	45
DC Component	%	<20	<20	<20	<20	<20
Mechanical Endurance Class		M1	M1	M1	M1	M1
Mechanical Endurance Class as Earth Switch		M1	M1	M1	M1	M1
Mechanical Endurance Class Disconnecter		M0	M0	M0	M0	M0
Electrical Endurance Class		E2	E2	E2	E2	E2
Rated short-time withstand current	kA - s	20 - 1	20 - 1	20 - 1	20 - 1	20 - 1
Rated short-time withstand current alternative	kA - s	20 - 3	20 - 3	20 - 3	20 - 3	20 - 3
Minimum tripping time	msec	80	80	80	80	80
Mechanism type		O - 3 min - CO - 3 min - CO				
<b>Transformer panel</b>						
Rated normal current	A	200	200	200	200	200
Rated breaking current	kA	20	20	20	20	20
Rated short-circuit making current	kA	50	50	50	50	50
Rated Capacitive Switching Current Class		C2	C2	C2	C2	C2
Rated Cable Charging Breaking Current	A	31,5	31,5	31,5	31,5	31,5
DC Time Constant	msec	45	45	45	45	45
DC Component	%	<20	<20	<20	<20	<20
Mechanical Endurance Class		M1	M1	M1	M1	M1
Mechanical Endurance Class as Earth Switch		M1	M1	M1	M1	M1
Mechanical Endurance Class Disconnecter		M0	M0	M0	M0	M0
Electrical Endurance Class		E2	E2	E2	E2	E2
Rated short-time withstand current	kA - s	20 - 1	20 - 1	20 - 1	20 - 1	20 - 1
Rated short-time withstand current alternative	kA - s	20 - 3	20 - 3	20 - 3	20 - 3	20 - 3
Minimum tripping time	msec	80	80	80	80	80
Mechanism type		O - 3 min - CO - 3 min - CO				