

YXLON EasyConnect

A central safety switching module for the straightforward and fast integration of an MGi X-ray system, taking into account all relevant safety requirements

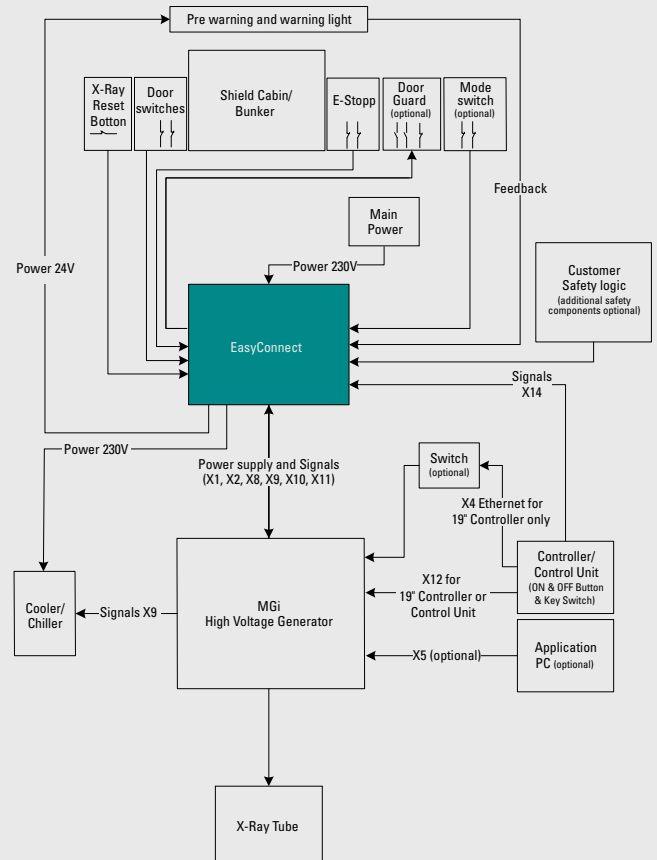
- A reliable concept for system integrators worldwide
- Deployable from a compact high-throughput system through to a complex bunker
- Step-by-step documentation guarantees error-free integration of radiation safety in combination with the MGi generator



The system architecture and safety-relevant properties of X-ray, measuring and testing systems are just as varied as the local statutory regulations to be observed by the manufacturer and operator.

The striving for ever safer machines and equipment is reflected in the constantly tightening legislation and standardization. As the international trade in goods grows, so does the complexity of the locally varying technical and legal requirements to be observed by system integrators. This applies in particular to X-ray systems, since radiation protection is additionally regulated in many judicial areas.

The connection diagram on the right shows all the components relevant for the integration of the X-ray system regardless of their number:



The following table shows all the radiation protection-relevant components covered in EasyConnect including:

- The number of connections for each safety component that can be integrated using EasyConnect
- The necessary inputs and outputs of this safety component
- The mandatory safety properties of each component in accordance with EU standards and regulations

Component	Quantity	Inputs	Outputs	Mandatory
E-Stop circuit	1	2	–	Yes
Doors (1x loading door 3x service door)	4	8	–	No
X-ray reset button	1	1	–	Yes
X-ray clearance button incl. timer feedback	1	1	1	No
X-ray key-switch	1	3	1	–
X-ray ON button	1	2	1	–
X-ray OFF button	1	2	1	–
Status LED for safety PLC (run/stop)	1	–	1	–
Contactor power-cells	2	–	2	–
Feedback power-cells contactor	1	1	–	–
Customer interlock (internal)	1	–	1	–
X-ray ON light (monitoring)	4	2	–	Yes
Pre-warning light (monitoring)	4	2	–	Yes
Interlock for service door (door guard)	1	2	1	No
Low kV (x-ray is safe off, doors can be opened)	1	2	1	Yes
Configuration bit for large-scale systems	1	1	–	–
Configuration bit for door guard systems	1	1	–	–

YXLON EasyConnect – scope of delivery:

- Switch box including terminal strips and all connection cables between EasyConnect and the MGi generator
- Manual with step-by-step explanation for simple and quick installation, including a circuit diagram
- Wall bracket for mounting EasyConnect at a safe distance from the floor
- Dimensions without the bracket (W x H x D): 380 mm x 600 mm x 210 mm

Are you planning to install, equip or modernize an X-ray system? Please contact your local Yxlon representative or our head office in Hamburg.

We have outstanding experience in consultancy, up to and including the engineering of customer-specific X-ray inspection solutions.

YXLON

Technology with Passion

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