

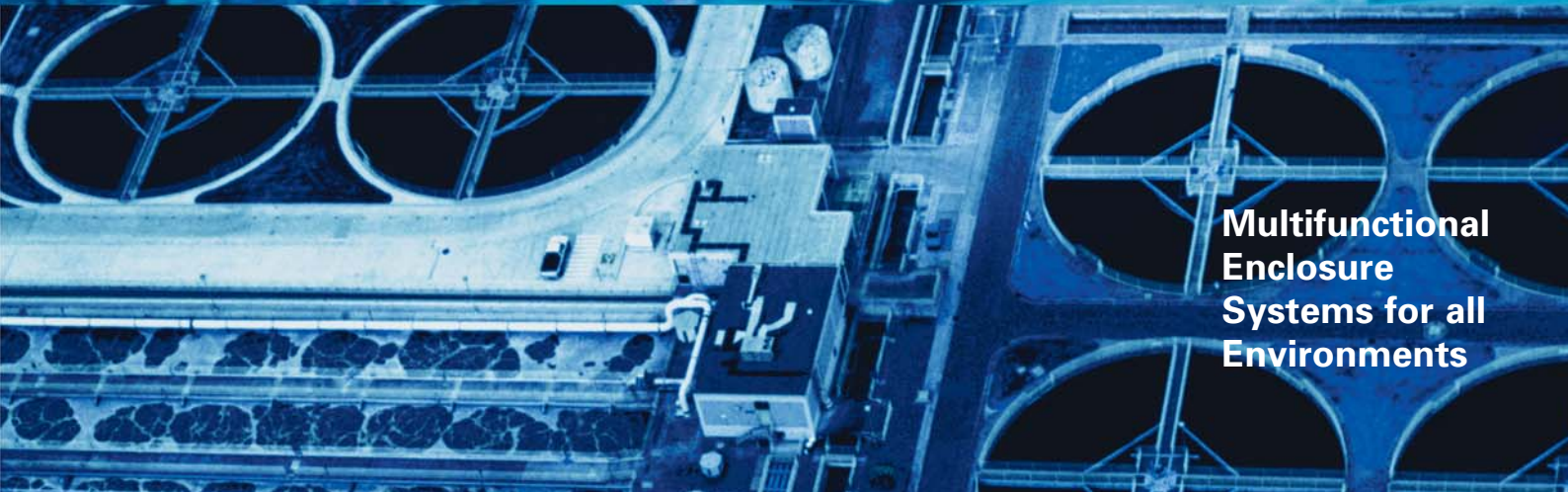


**EATON**

**Halyester**  
**Totally insulated enclosure system**

Product Aid

- Degree of protection up to IP66



**Multifunctional  
Enclosure  
Systems for all  
Environments**

# System Overview

Eaton offers a wide range of multifunctional synthetic enclosures with excellent characteristics. Universally suitable for indoor and outdoor applications.

## Application

Due to the outstanding mechanical and electrical properties of these synthetic enclosures Eaton guarantees long-standing service under such stringent operating conditions as oil refineries, chemical plants and heavy industry. Office blocks, green houses, warehouses, food industries are all locations where Halyester assemblies can be custom-built meeting the highest demands of today's engineering standards.

## Design and construction

Halyester is a system of modular design, suitable for applications such as motor control centres or distribution boards. It can accommodate circuit breakers as well as fuse switches. The modular design allows Form 4a separation in conformity with EN-IEC 60439-1. The boxes and ancillary items are made of glass-mat reinforced polyester and are standard supplied in RAL 7035 grey. The covers are transparent (blue) or opaque polycarbonate. The enclosures are dust and jet water tight to a degree of protection IP 66 for fully enclosed boxes.

## Safety

Eaton's Halyester enclosures have proven quality and reliability over more than 30 years in a wide variety of environments from the very cold northern Europe to hot tropical countries in the Middle and Far East, the American continent and Africa. Halyester is designed as a total-insulation system. This guarantees maximum safety to operators, since voltage transmission to the outside of the installation is absolutely impossible. Furthermore, transparent covers, allow for easy determination of possible faults and failures, improving safety.



## Empty enclosures

The Halyester system comprises 10 types of enclosures. Some of them are delivered as empty enclosures for use with quick mounting of modular switchgear and control gear equipment. Enclosed there is an overview of the complete assortment of empty enclosures;

### 3 types of empty enclosures

- Empty enclosures with opaque fixed covers
- Empty enclosures with transparent fixed covers
- Empty enclosures with transparent hinged covers

**When a bigger enclosure is required, the enclosure can easily be enlarged by the use of coupling pieces for increased depth. For further information contact Eaton**

## Ordering information



Self-extinguishing



Non-hygroscopic



Light-weight













Easy to machine

## Empty enclosures with opaque fixed covers, protected to IP66

Empty enclosures for build-in components, enclosures provided with:

- UV resistant cover
- tool operated locking screws (hand operated also available)
- Undrilled mounting plate
- degree of protection IP 66

Type	Din rail	Exterior dimensions (mm)			Interior dimensions (mm)			Eaton list number
		H	W	D	H	W	D	
 K 432GS	–	270	180	171	248	158	151	1860 101
 K 433GS	–	270	270	171	248	248	151	1860 102
 K 434GS	–	270	360	171	248	338	151	1860 103
 K 442GS	–	360	180	171	338	158	151	1860 095
 K 444GS	–	360	360	171	338	338	151	1860 096
 K 463GS	–	540	270	171	518	248	151	1860 104
 K 464GS	–	540	360	171	518	338	151	1860 105
 K 466GS	–	540	540	171	518	518	151	1860 097
 K 484GS	–	270	360	201	701	338	180	1860 098
 K 486GS	–	720	540	201	701	518	180	1860 099

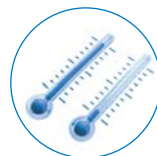
## Ordering information



No earthing



Very high impact strength



Insensitive to large temperature changes



Non-tracking

## Empty enclosures with transparent fixed covers, protected to IP66

Empty enclosures for build-in components, enclosures provided with:

- UV resistant cover
- tool operated locking screws (hand operated also available)
- Undrilled mounting plate
- degree of protection IP 66

Type	Din rail	Exterior dimensions (mm)			Interior dimensions (mm)			Eaton list number
		H	W	D	H	W	D	
 K 432	–	270	180	171	248	158	151	<b>1860 808</b>
 K 433	–	270	270	171	248	248	151	<b>1860 809</b>
 K 434	–	270	360	171	248	338	151	<b>1860 810</b>
 K 442	–	360	180	171	338	158	151	<b>1860 090</b>
 K 444	–	360	360	171	338	338	151	<b>1860 091</b>
 K 463	–	540	270	171	518	248	151	<b>1860 811</b>
 K 464	–	540	360	171	518	338	151	<b>1860 812</b>
 K 466	–	540	540	171	518	518	151	<b>1860 092</b>
 K 484	–	270	360	201	701	338	180	<b>1860 093</b>
 K 486	–	720	540	201	701	518	180	<b>1860 094</b>

## Ordering information



Total insulation



High degree of protection



Resistant to corrosive atmospheres and adverse outdoor conditions










Maintenance free

## Empty enclosures with transparent hinged covers, protected to IP56

For quick assembly of DIN-modular components. Enclosures provided with:

- UV resistant cover suitable for DIN-modular components or complete closed
- tool operated locking screws (hand operated also available)
- earth bar (6 – 35 mm<sup>2</sup>)
- degree of protection with closed cover IP 56

Type	Din rail	Exterior dimensions (mm)			Interior dimensions (mm)			Eaton list number
		H	W	D	H	W	D	
 KS0H 434	–	270	360	171	248	338	151	1864 838
 KS0H 444	–	360	360	171	338	338	151	1864 898
 KS0H 434/1H	1	270	360	171	248	338	151	1864 837
 KS0H 444/1H	1	360	360	171	338	338	151	1864 897
 KS0H 434/2H	2	270	360	171	248	338	151	1864 836
 KS0H 444/2H	2	360	360	171	338	338	151	1864 896
 KS0H 464/3H	3	540	360	171	518	338	151	1864 840

In the electrical industry, Eaton is a global leader in electrical control, power distribution, and industrial automation products and services. Through advanced product development, world class manufacturing methods and global engineering services and support, Eaton provides customer-driven solutions under brand names such as Cutler-Hammer®, Powerware, Durant®, Heinemann®, Holec®, and MEM®, which globally serve the changing needs of the industrial, utility, light commercial, residential, and OEM markets. For more information, visit [www.eatonelectrical.com](http://www.eatonelectrical.com).

Eaton Corporation is a diversified industrial manufacturer with 2005 sales of \$11.1 billion. Eaton is a global leader in electrical systems and components for power quality, distribution and control; fluid power systems and services for industrial, mobile and aircraft equipment; intelligent truck drivetrain systems for safety and fuel economy; and automotive engine air management systems, powertrain solutions and specialty controls for performance, fuel economy and safety. Eaton has 59,000 employees and sells products to customers in more than 125 countries. For more information, visit [www.eaton.com](http://www.eaton.com).

**Eaton Electric Limited**

Reddings Lane  
Birmingham B11 3EZ  
United Kingdom

**Customer Support Centre**

Tel: +44 (0)8700 545 333  
Fax: +44 (0)8700 540 333  
email: [ukcommorders@eaton.com](mailto:ukcommorders@eaton.com)

**Eaton Electric BV**

PO Box 23  
7550 AA Hengelo  
The Netherlands

**Customer Support Centre**

Tel: +31 (0)74 246 7066  
Fax: +31 (0)74 246 7070  
email: [c-heuropesupport@eaton.com](mailto:c-heuropesupport@eaton.com)

