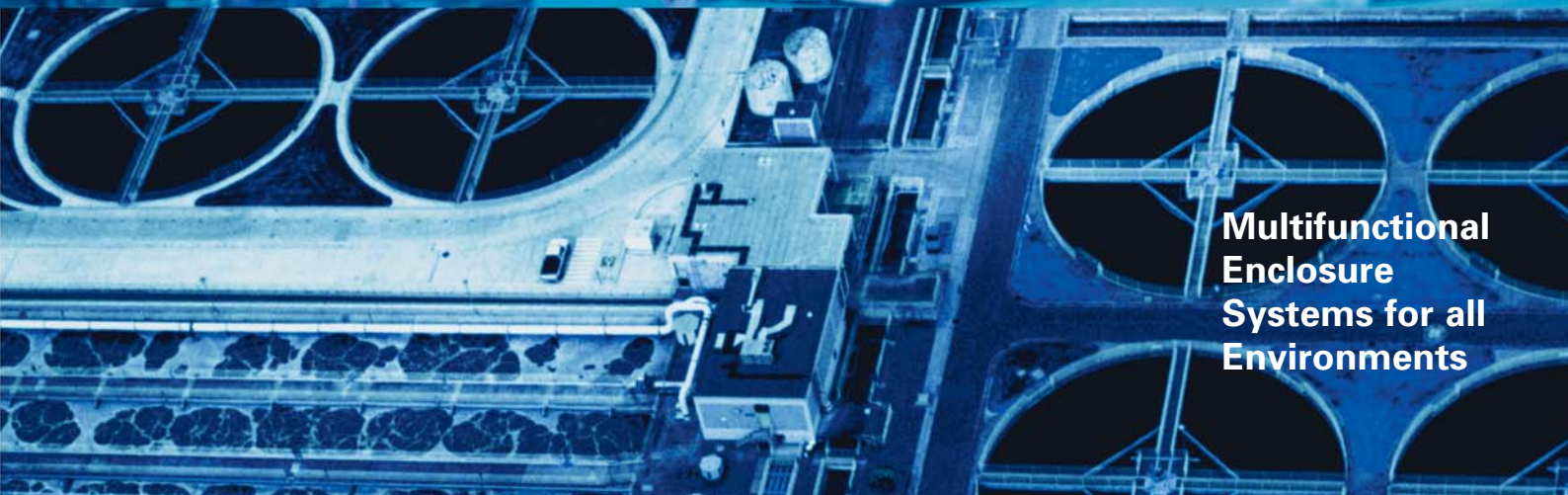
Halyester
Totally insulated enclosure system

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

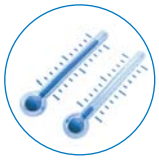
Empty enclosures for build-in components, enclosures provided with:
- UV resistant cover
- tool operated locking screws (hand operated also available)
- Undrilled mounting plate
- degree of protection IP 66

Type		Din rail	Exterior dimensions (mm) H	W	D	Interior dimensions (mm) H	W	D	Eaton list number
	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**

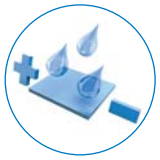
Ordering information

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

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-modulair components. Enclosures provided with:
- UV resistant cover suitable for DIN-modulair components or complete closed
- tool operated locking screws (hand operated also available)
- earth bar (6 – 35 mm2)
- 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**

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