



ELECTROMACH B.V.  
Jan Tinbergenstraat 193  
NL, 7559 SP Hengelo  
Tel: +31 (0)74 2 472 472  
E-mail: [info@electromach.nl](mailto:info@electromach.nl)  
[www.electromach.com](http://www.electromach.com)

STAHL N.V.  
Sint-Gillislaan 6 bus 3  
B, 9200 Dendermonde  
Tel: +32 (0)52 211 351  
E-mail: [info@stahl.be](mailto:info@stahl.be)  
[www.stahl.be](http://www.stahl.be)

# CUBEx, flameproof system

## in Stainless Steel



Besides the already available version of CUBEx, made of marine grade copper-free aluminum alloy, the CUBEx system EExd enclosures is now also available in stainless steel (it's a welded construction). They are primarily designed for use as distribution panels, control panels, control stations or junction boxes. The sizes are compatible with the existing modular design of R. STAHL for 8125 EExe and 8225 EExd IIC enclosures.

Their unique modular design makes them ideal for multiple assemblies and for use in combinations with other STAHL equipment.

The EExd design allows for standard industrial components to be assembled in the CUBEx enclosure and wired according to customer specifications. Full system design and integration in single or multiple assemblies is available if required.

Control equipment, signal lamps and inspection windows, e.g. for measuring instruments, can be fitted on the lid of the enclosure. CUBEx stainless steel enclosures from size 33 and larger are standard provided with hinges. For the smaller enclosures this is optionally.

Direct cable entries in the flameproof enclosures can be realized by EExd cable glands or conduit entries. If indirect entries are required a Stahl 8125 EExe terminal box can be bolted on fitted with EExe cable glands or conduit hubs (with the exception of Class I Div 1).





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## Highlights:

- 8 sizes available
- Ambient temperature  $-20^{\circ}\text{C} \dots +50^{\circ}\text{C}$ , optionally for  $-50^{\circ}\text{C} \dots +50^{\circ}\text{C}$
- ATEX: Group IIA, IIB, IIB+H2, Dust
- UL: Class I, Group BCD; Class II, Group EFG; Class III
- Ingress protection: IP66, NEMA 4X
- Maximum voltage 11 kV (e.g. ignition transformers)
- Maximum current 1250A
- Maximum cable connection  $300\text{mm}^2$
- Cover hinges in stainless steel 316
- Certified to allow installation with 10 mm minimum distance between 2 adjacent enclosures and obstructive wall (according to the standards this is min. 30 mm)
- Mounting of 19" racks possible
- Conductor bushing (d2d) available for direct electrical connections between 2 EExd boxes (not with UL)
- Material up to type 8264/333 made of stainless steel 316L, other types duplex stainless steel (better quality than 316L).
- Optionally: Inspection windows: max.  $\varnothing 140\text{mm}$  circular and max.  $530 \times 220\text{mm}$  rectangular (UL limitation)
- Optionally: painted according to customer specification
- ATEX certified: KEMA 01 ATEX 2145
- Approvals: Cenelec, UL and IECEx

Type	A	B	C	DxE	F	G	Weight
8264 / .112 -.	235	235	270	157x157	205	205x205	39
8264 / .212 -.	360	235	270	157x282	205	330x205	54
8264 / .222 -.	360	360	270	282x282	202	330x330	76
8264 / .223 -.	360	360	340	282x282	272	330x330	88
8264 / .323 -.	480	360	340	282x402	272	450x330	111
8264 / .333 -.	480	480	340	402x402	267	450x450	138
8264 / .933 -.	730	480	340	402x652	272	700x450	200
8264 / .993 -.	730	730	340	652x652	267	700x700	298
8264 / .996 -.	730	730	465	650x650	369	706x706	334
8264 / .997 -.	730	730	570	650x650	474	706x706	

2 = stainless steel  
3 = marine grade copper-free aluminium alloy

