

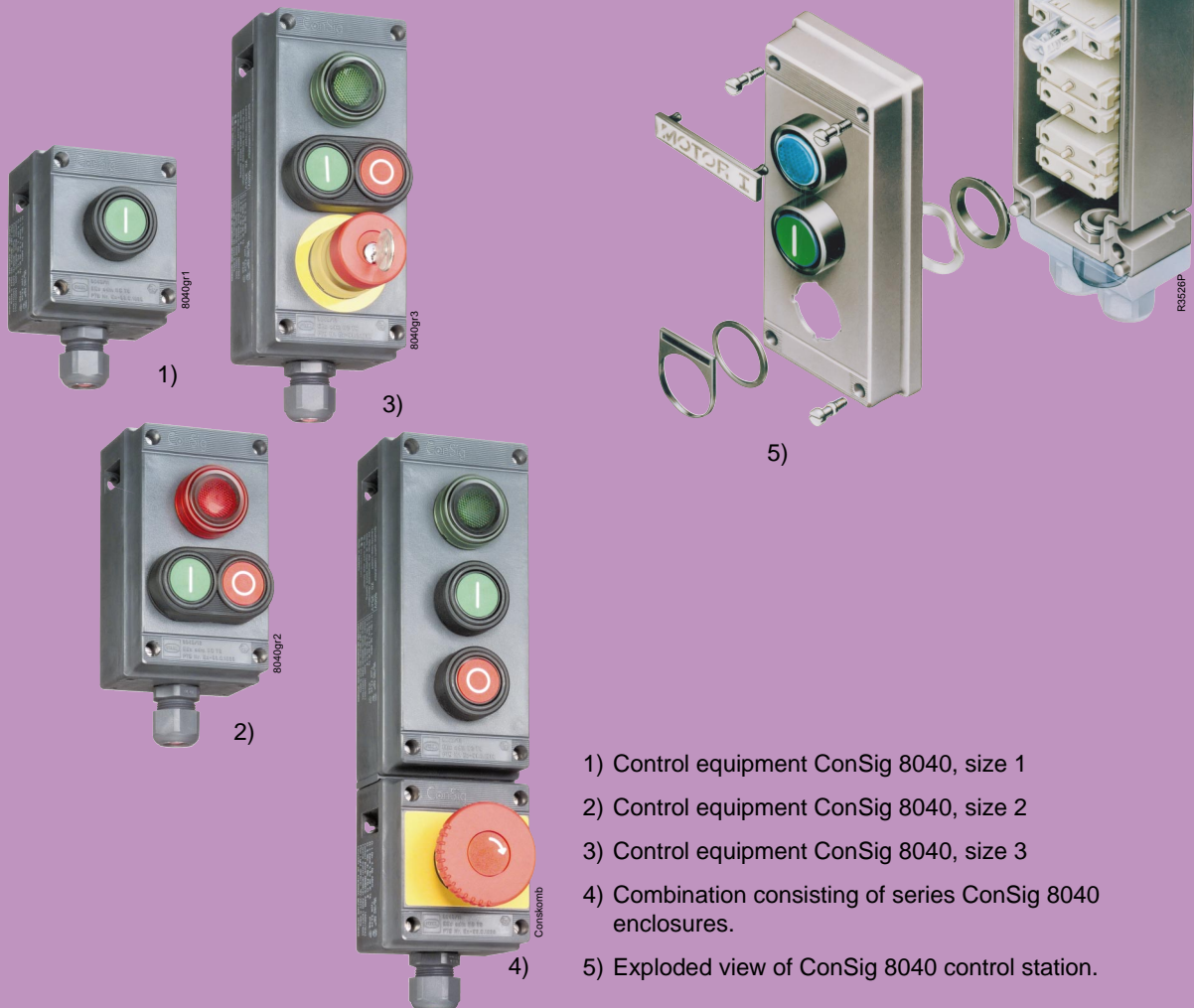
## Control boxes

### Control and monitoring equipment

If it is required to operate several control and monitoring units from a single point, it is convenient to combine them in control boxes. These are available in various sizes and versions:

#### ConSig 8040 in polyester resin

This control box range comprises 3 casing sizes and accepts 1 to 3 control or monitoring units. Depending on specific requirements, individual enclosures can be combined to larger units.



- 1) Control equipment ConSig 8040, size 1
- 2) Control equipment ConSig 8040, size 2
- 3) Control equipment ConSig 8040, size 3
- 4) Combination consisting of series ConSig 8040 enclosures.
- 5) Exploded view of ConSig 8040 control station.

#### Motor connections and control stations

These boxes are used to control and monitor electric motors locally. The control section comprises a control switch and an ammeter which displays motor run-up and operating current. If required, motor connection and control stations can be equipped with terminals enabling the motor leads to be looped through.

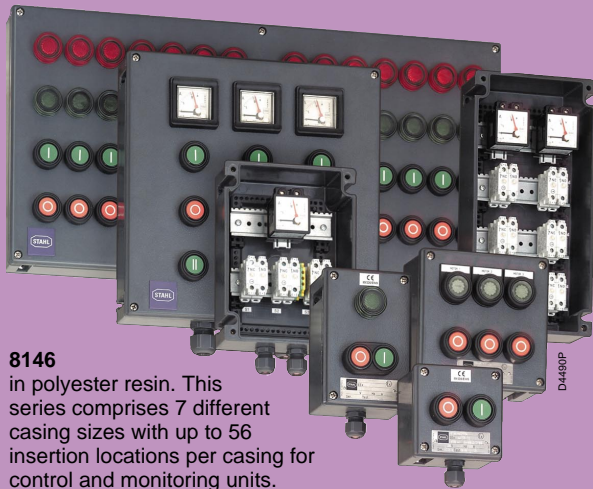


## Control stations 8146 and 8125

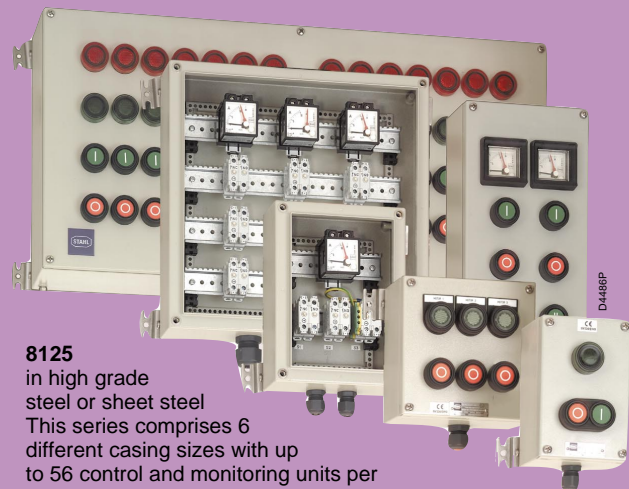
Series 8146 enclosures of glass-fibre reinforced polyester resin and series 8125 enclosures of high grade steel or painted sheet steel are used in larger control stations and control station combinations.

They can be equipped with control, indicator, display and measuring devices according to what is ordered. Since

there are so many combinations of components, there is no standardized sizing. Each 8146 and 8125 series control station is designed and built to order. Individual control stations can be combined to make larger units by using connection frames.



**8146**  
in polyester resin. This series comprises 7 different casing sizes with up to 56 insertion locations per casing for control and monitoring units.



**8125**  
in high grade steel or sheet steel  
This series comprises 6 different casing sizes with up to 56 control and monitoring units per casing. As an alternative to a high grade steel casing, the 8125 series can be supplied in painted sheet steel.

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### Layout

The number of devices which can be fitted into a control station can be derived from component tables. It depends on the size of the enclosure and the space required by the component units. The location points for the individual components are defined by letter-number combinations. Control stations with device configurations different from those illustrated can be produced to your specifications. Please enclose a layout sketch with your order.

### Cable entries

The control stations are provided to order with cable entries in moulded plastics or metal. The cut-outs are punched out and the screwed glands secured with locknuts. Please provide, with your order, information on which side (A, B, C, or D) you wish to fit your cable entries. You will find further information on page 8/20 about providing cable entries for the 8125 enclosure, and on page 8/26 for 8146 enclosures.

### Flanges

Normally control stations are supplied without flanges; you can however order flanges for one or more sides.

### EEx-components

The control stations are designed using the "increased safety" technology; thus all components used are, in themselves, explosion-protected to standards EEx d and EEx e. The components are arranged in the control stations as specified in the order. Switching and indicating lamp components are clipped to carrier rails and actuators and bezels bolted to the enclosure cover.