

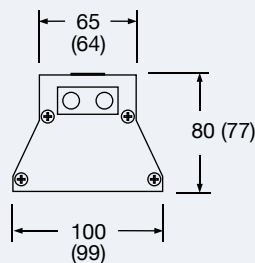
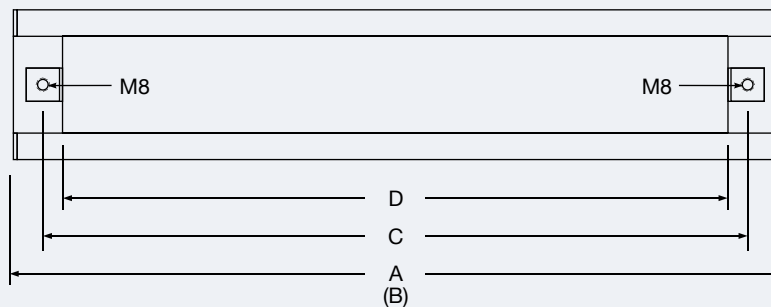
Figure 1: Elstein EBF-R equipped with radiators of the HTS series

Elstein EBF-R construction elements are assembled in our factory. They can be equipped with Elstein ceramic panel radiators FSR, HSR/1, HTS/1, SHTS/1 and FSR/2, HSR/2, HTS/2, SHTS/2, whereby it is also possible to combine different radiator designs and wattages of the same types of radiators.

The ceramic infrared radiators mounted in stainless steel reflectors are inserted in the lower part of an extruded, anodised aluminium section with an H-shaped cross-section. Aluminium capping sections close the wiring space in the upper part of the section and die cast end pieces close the end faces.

Compared to EBF the EBF-R system is delivered pre-wired with rails by our factory so that the user only has to screw in the EBF-R elements in a steel section frame to be made on site and connect up with the electricity mains.

Elstein EBF-R construction elements are available in five lengths and can be fitted together to form flat or curved radiation panels in any installed position.



	A	B	C	D
EBF-R/25*	260	255	217	190
EBF-R/50	510	505	467	440
EBF-R/75	760	755	717	690
EBF-R/100	1010	1005	967	940
EBF-R/125	1260	1255	1217	1190

\*The standard scope of delivery for EBF-R/25 does not include a rail if a radiator with the dimensions 245 x 60 mm is mounted.

Figure 2: Mounting dimensions and EBF-R dimensions ( ) in mm

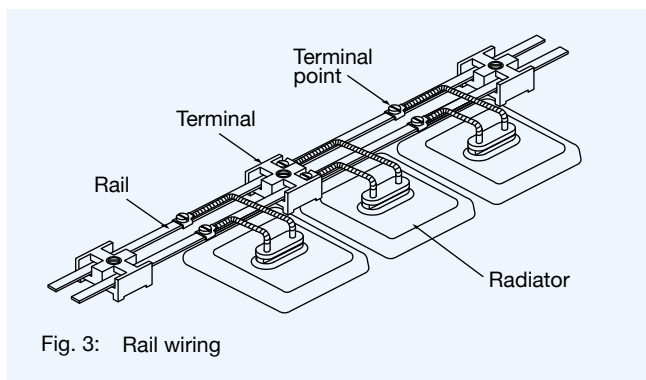


Fig. 3: Rail wiring



Fig. 4: Rail and terminal in the center of EBF-R system. The rails are not fixed here to the EBF-R housing



Fig. 5: The screws connecting the radiator's leads with the rails fix also the rails to the EBF-R housing



Fig. 6: Rail and terminal at the other end of EBF-R. The rails are not fixed here to the EBF-R housing

## Standard scope of delivery (variants and other lengths are available on request)

### Ceramic infrared radiators (FSR, HSR/1, HTS/1, SHTS/1, FSR/2, HSR/2, HTS/2, SHTS/2), fitted

The maximum radiator power level available is 1200 W. Mixed radiator wattages and dimensions can be fitted.

Thermocouple radiators for temperature control are installed in the EBF-R construction element at the request of the customer. Accessories for controlling the temperature, such as the TRD temperature controller and TSE thyristor switching units are included in the Elstein range of products.

### REO reflectors for the radiator dimensions 245 mm x 60 mm and 122 mm x 60 mm, fitted

The REO reflectors are made from polished stainless steel. They are used for holding and fixing the radiators and reflecting the IR radiation in the direction of the material to be heated. On request, the reflectors fitted with ceramic infrared radiators are also available separately under the type designations REF/250 and REF/125.

### Extruded frame and capping sections and die cast end pieces made from aluminium, fitted

For surrounding the ceramic infrared radiators fixed to the REO reflectors. Each EBF-R construction element includes a capping section and two end pieces. The end pieces have an M8 thread for screwing the EBF-R construction element with a steel section frame. The end pieces also include a ceramic bushing for the electricity cables and a labelled safety earth terminal.

### Rails (8 x 2 mm) made of stainless steel and terminals, both fitted, rails connected with radiator power leads

For wiring the ceramic infrared radiators. Rails are not used in EBF-R/25 (250 mm length of EBF-R). The rails have enough holes for connecting 245 x 60 mm radiators. Using radiators with smaller dimensions (122 x 60 mm) make additional holes on the rails necessary.

Further information and safety information are given in our product catalog. The EBF mounting instruction also includes safety information as well as further details about the installation and the electrical connection.