

# SYSTEM: GCC



## Product description

Single-leaf, vertically and horizontally closing fire protection closure for wall openings of web-bound conveyor systems; separated and unseparated conveyor technology in the closing area.

<b>Type</b>	Fire protection closure in the course of rail-bound conveyor systems
<b>Verification</b>	ETA-16/0851 European Technical Assessment
<b>Closing direction</b>	from top to bottom   from left to right   from right to left
<b>Fire resistance</b>	EI, 90   tested according to DIN EN 1366-7:2004   classified according to EN 13501-2:2007
<b>Closing cycles</b>	C5   Number of closing cycles 200,000   vertical closing direction C4   Number of closing cycles 100,000   horizontal closing direction
<b>Reopening</b>	motor
<b>Conveyor system</b>	Interrupted conveyor system   Inclined conveyor system   Continuous belt conveyor system   Continuous transfer carriage   Continuous suspension chain conveyor system   Continuous roller conveyor system   Continuous conveyor system
<b>Environmental conditions</b>	Special environmental conditions are not taken into account (e.g. humidity > 80 %, ambient temperature < 5 °C and > 45 °C, wind loads, etc.).
<b>Visible surfaces</b>	Attachment parts: - galvanised - RAL - Stainless steel V2A Material A-1.4301 (blank) Fixed panel and slider blade: - untreated - painted with emulsion paint similar to RAL 7016 - painted with emulsion paint similar to RAL - galvanised (occupied) - powder-coated (covered) RAL - Stainless steel (coated) V2A Material A-1.4301 (blank)

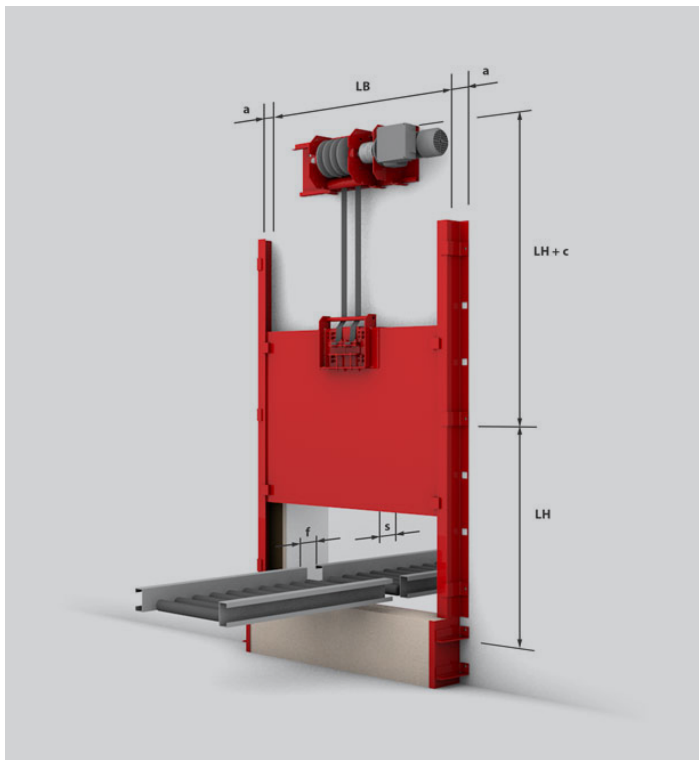
## Size dimensions and system design

Due to the combination of classifications or the ratio of clear system width to clear system height, the stated maximum dimensions may be reduced and the dimensions of the enclosure and guide rails may vary. The specifications on the quotation apply.

Component (supporting structure) in which the closure may be installed	achievable Fire resistance class	clear wall opening		
		largest width LB	greatest height LH	largest surface
Solid high-density wall, masonry or solid concrete with a total density of $\geq 800 \text{ kg/m}^3$ and a thickness $\geq 150 \text{ mm}$	EI <sub>1</sub> , 90 EI <sub>2</sub> , 90	3.600 mm	4.200 mm	10,0 m <sup>2</sup>
Solid low-density wall, aerated concrete with total density of $\geq 450 \text{ kg/m}^3$ and thickness $\geq 150 \text{ mm}$	EI <sub>1</sub> , 90 EI <sub>2</sub> , 90	3.600 mm	4.200 mm	10,0 m <sup>2</sup>

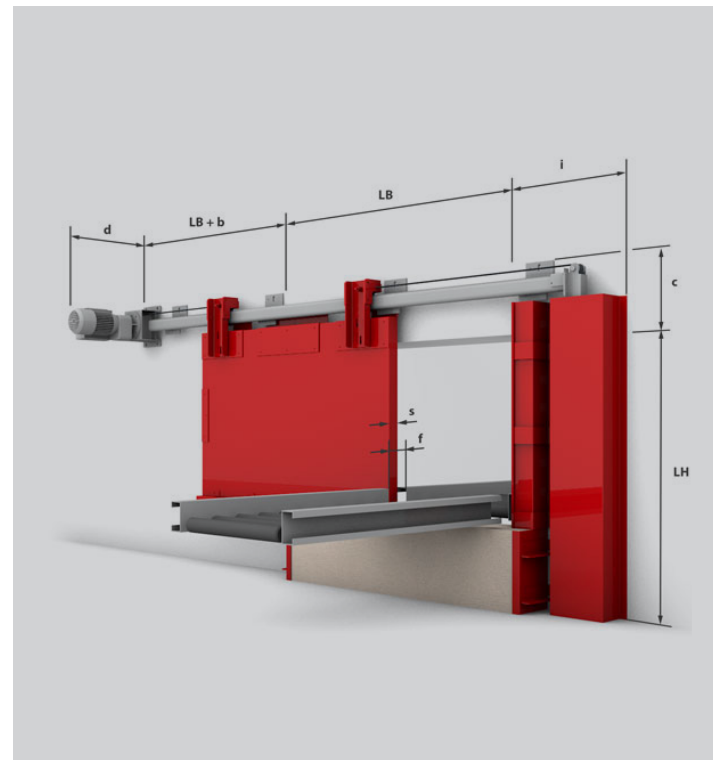
The installation situation must comply with the building code requirements of the country of installation. The fire resistance of a ceiling or wall support structure and the adjacent components must at least correspond to that of the fire protection closure. Proof of the stability and serviceability of the adjacent walls and components must be provided under general ambient conditions and in the event of fire. See also notes on the standard supporting structure in EN1366-7:2004 or EN1363-1:2020. The fire protection system must not be subjected to any additional loads other than its own weight, even in the event of fire.

### Vertical system structure



a = 155 mm  
c = 570 mm  
f = 70 mm  
s = 51 mm

### System structure horizontal



b = 260 mm  
c = 270 mm  
d = 500 mm  
f = 70 mm  
i = 425 mm  
s = 51 mm