DATA SHEET

STÖBICH®

TECKENTRUP DOOR SOLUTIONS

abc doors

SYSTEM: ECCLOS®

MODEL: ECCLOS®-FLEX-I

Product description

One-piece, vertically closing fi e protection closure in the course of rail-bound conveyor systems for wall openings with continuous and non-continuous conveyor technology in the closing area.

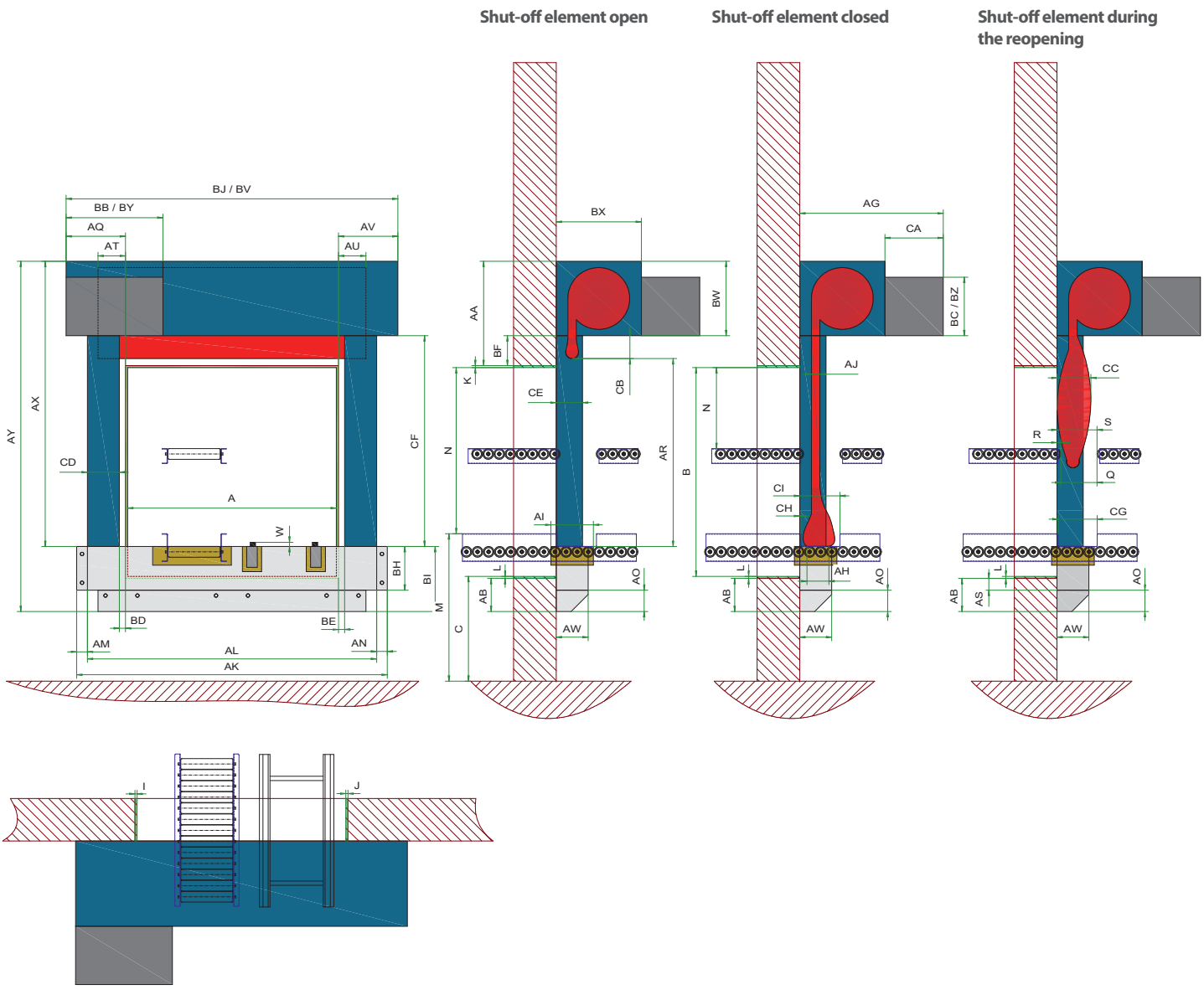
Type	Fire protection closure in the course of rail-bound conveyor systems
Verification	ETA applied for on the basis of EAD 350022-01-1107:2003-03
Closing direction	from top to bottom
Fire resistance	EI_2 90 | tested according to DIN EN 1366-7:2004-09 | classified a cording to EN 13501-2:2007
Closing cycles	C | tested according to EN 12605:2000-08 | classified a cording to EN13501-2:2016 for scheduled open closures
Reopening	motor
Conveyor systems	continuous and non-continuous roller conveyors | belt conveyors | suspension chain conveyors
Visible surfaces	**Cover guide rails and winding housing** Stainless steel 1.4301 (V2A) coated in RAL color
	Fixed field untreated fi e protection panels painted with dispersion paint in RAL similar shade sheet metal cladding stainless steel 1.4301 (V2A) Sheet metal cladding coated in RAL color

Size dimensions and system design

The combination of classific tions or the ratio of clear system width to clear system height may reduce the stated maximum dimensions and the dimensions of the housing and guide rails may vary. The specific tions on the quotation apply.

Component (load-bearing structure) in which the closure may be installed	achievable fire resistance class	clear wall opening			
		clear wall opening width		clear wall opening height	
solid wall of high density, masonry or solid concrete with total density of ≥ 800 kg/m³ and thickness ≥ 150 mm	EI_2 90	from 500 mm	up to 6.000 mm	from 500 mm	up to 4.400 mm
solid low-density wall, aerated concrete with total density of ≥ 450 kg/m³ and thickness ≥ 150 mm	EI_2 90	from 500 mm	up to 6.000 mm	from 500 mm	up to 4.400 mm

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



Dimensions at conveyor closure
Closing direction vertical from top to bottom

A- Clear wall opening width	500 mm to 6000 mm
B - Clear wall opening height	500 mm to 4400 mm
C - lower edge of wall opening	0 - n
I - Planning allowance left	Default value 20 mm
J - Planning allowance right	Default value 20 mm
K - Planning surcharge above	Default value 20 mm
L - Planning surcharge below	Wall-hung system: default value = 20 mm Floor-standing system: default value = 0 mm
Q - Conveyor separation Width	Depending on the position and type of the conveyor system and the size of the clear wall opening dimensions
R - Conveyor separation dimension wall side	Depending on the position and type of the conveyor system and the size of the clear wall opening dimensions
S - Conveyor separation dimension room side	Depending on the position and type of the conveyor system and the size of the clear wall opening dimensions
N - clearance height/transit height	Depending on the position and type of the conveyor system and the size of the clear wall opening dimensions
M - promotion level	0 - n
W - Conveying level protrusion	-25 mm bis +25 mm
AA - space requirement above the opening	BF + BW + K unseparated continuous conveying = 200 mm + 430 mm + 20 mm = 650 mm separated conveyor technique = 50 mm + 430 mm + 20 mm = 500 mm
AB - Space requirement below the opening	with fi ed panel = L + AS + AO = 20 mm + 80 mm + 120 mm = 220 mm without fi ed field = 0 m
AG - Space requirement drive Installation side	800 mm
AH - Sealing depth at the shut-off eleme t	150 mm
AI - Sealing depth at the fi ed panel	175 mm
AJ - Thickness barrier element	approx. 12 mm
AK - Total fi ed field widt	AL + AM + AN
AL - Fixed field widt	A + I + J + CD + CD = A + 20 mm + 20 mm + 230 mm + 230 mm = A + 500 mm
AM - Fixing projection fi ed panel left	50 mm
AN - Fixing projection fi ed panel right	50 mm
AO - Fixing protrusion fi ed panel below	120 mm
AQ - Space requirement for wall frame to the left of the opening	I + BD + CD + 100 mm = 20 mm + 50 mm + 230 mm + 100 mm = 400 mm
AR - Traverse path of shut-off eleme t / unwinding length	= N
AS - Overlap fi ed field bel w	80 mm
AT - Overlap barrier element left	215 mm
AU - Overlap barrier element right	215 mm
AV - Space requirement wall frame to the right of the opening	J + BE + CD + 100 mm = 20 mm + 50 mm + 230 mm + 100 mm = 400 mm
AW - Fixed field dept	175 mm
AX - Height wall frame	N + AA unseparated continuous conveyor = N + 650 mm; separated conveyor technique = N + 500 mm
AY - System height	BI + AX
BB - Drive Technology Width	750 mm
BC - Drive Technology Height	430 mm
BD - Offset left	50 mm
BE - Offset right	50 mm
BF - Offset top	unseparated continuous conveyor = 200 mm; separated conveyor technology = 50 mm
BH - fi ed field heig t	M - C + L + AS
BI - Total fi ed field heig t	BH + AO
BJ - System width	AQ + AV + A = 400 mm + 400 mm + A
BV - Winding case width	= BJ
BW - Winding case height	430 mm
BX - Winding case depth	460 mm
BY - Drive housing width	750 mm
BZ - Drive housing height	430 mm
CA - Drive housing depth	340 mm
CB - Parking area Shut-off eleme t under winding housing	unseparated continuous conveyor = 200 mm; separated conveyor technology = 0 mm
CC - Thickness barrier element on reopening	400 mm
CD - Guide rail width	230 mm
CE - Guide rail depth	114 mm
CF - Guide rail height	AX - BW
CG - Separation point conveyor guide width	300 mm
CH - Separation point conveyor guide dimension wall side	0 mm
CI - Separation point conveyor guide dimension room side	300 mm
CJ - Width/height ratio	BJ/CF >= 0,333

s = 51 mm