



## What should be considered?









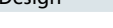


# Selection matrix – DEHN railway earthing




Before selecting the right components for your purpose, you should answer the following questions:

1. What has to be earthed?
2. What is the maximum short-circuit current?
3. What type of connection is required (linear, angled)?

### Components for use with maximum short-circuit currents > 25 kA






Earthing bridge (invisible, internal connection) 				
Rigid type				
Design	DEHN type	Part No.		
	D BEB 0 - 63 / EBS 15-03-19	419 000		
	D BEB 0 - 70 / EBS 15-03-19	419 001		
	D BEB 0 - 77 / EBS 15-03-19	419 002		
	D BEB 1 / EBS 15-03-19	419 010		
	D BEB 1-L / EBS 15-03-19	419 011		
	D BEB 1 - L100 / EBS 15-03-1	419 500		
	D BEB 1-NR / EBS 15-03-19	419 012		
	D BEB 2 / EBS 15-03-19	419 020		
	D BEB 3 / EBS 15-03-19	419 030		
	D BEB 8 / EBS 15-03-19	419 080		
Flexible type				
Design	DEHN type	Part No.	Highly flexible type DEHN type	Part No.
	D BEB 5 / EBS 15-03-19	419 050	D BEB 5-FLEX / EBS 15-03-19	419 051
	D BEB 5 - L700 / EBS 15-03-19	419 501		
	D BEB 5 - L1000 / EBS 15-03-19	419 502		
	D BEB 5 - L1500 / EBS 15-03-19	419 503		
	D BEB 5 - L2000 / EBS 15-03-19	419 504		
	D BEB 7 / EBS 15-03-19	419 070	D BEB 7-FLEX / EBS 15-03-19	419 071
	D BEB 10 / EBS 15-03-19	419 100	D BEB 10-FLEX / EBS 15-03-19	419 101
	D BEB 10 - L800 / EBS 15-03-19	419 505		

### Earthing connector (visible, external connection)




Flexible type				
Halogen-free		Halogen-free and flame retardant (NF <sup>1)</sup> for use in tunnel		
Design	DEHN type	Part No.	DEHN type	Part No.
	D BEB 29 / EBS 15-03-17	419 290	D BEB 29-NF / EBS 15-03-17	419 291
	D BEB 29 - L350 / EBS 15-03-17	419 507		
	D BEB 29 - L800 / EBS 15-03-17	419 508		

<sup>1)</sup> NF: non-fire

### Components for use with maximum short-circuit currents ≤ 25 kA

Earthing bridge (invisible, internal connection) 				
Flexible type			Highly flexible type	
Design	DEHN type	Part No.	DEHN type	Part No.
	D BEB 4 / EBS 15-03-19	419 040	D BEB 4-FLEX / EBS 15-03-19	419 041
	D BEB 6 / EBS 15-03-19	419 060	D BEB 6-FLEX / EBS 15-03-19	419 061
	D BEB 9 / EBS 15-03-19	419 090	D BEB 9-FLEX / EBS 15-03-19	419 091
	D BEB 11 / EBS 15-03-27	419 110		
	D BEB 11 - L1000 / EBS 15-03-27	419 506		

Earthing connector (visible, external connection) 		
Flexible type		
Halogen-free		
Design	DEHN type	Part No.
	D BEB 26 / EBS 15-03-17	419 260
	D BEB 40 / EBS 15-03-25	419 400

**Note:** The components are classified according to their short-circuit current resistance. Components which are suitable for use in case of maximum short-circuit currents > 25 kA can, of course, also be used for lower short-circuit currents.

**Tip:** Remember to incorporate the earthing bridges and connectors (Ebs. No., cable type, cable lug) in your earthing plan.