



Selection matrix – DEHN railway earthing

What should be considered?



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-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	Part No.
	D BEB 5 / EBS 15-03-19	419 050	D BEB 5-FLEX / EBS 15-03-19	419 051
	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



Earthing connector (visible, external connection)				
Flexible type				
Halogen-free				
Design	DEHN type	Part No.	Halogen-free and flame retardant (NF ¹⁾ for use in tunnel	Part No.
	D BEB 29 / EBS 15-03-17	419 290	D BEB 29-NF / EBS 15-03-17	419 291

¹⁾ 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		

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.