

Historical cost data

ISIN: DE000HB7RR84

Date	Cost Impact / Reduction in Yield (%)	Entry Costs (%)	Exit Costs (%)	Portfolio Transaction Costs per Year (%)	Other Ongoing Costs (%)
21.06.2022	2.58	2.03	0	0	0.55
23.06.2022	2.43	1.95	0	0	0.48
15.11.2022	1.16	0.93	0	0	0.23
07.02.2023	1.3	3.2	-2.6	0	0.7
09.02.2023	0.9	1.5	-1.1	0	0.5
24.06.2022	2.26	1.92	0	0	0.34
28.06.2022	2.37	1.95	0	0	0.42
29.06.2022	2.25	1.92	0	0	0.33
30.06.2022	0.17	-0.08	0	0	0.25
01.07.2022	0.14	-0.1	0	0	0.24
05.07.2022	1.84	1.6	0	0	0.24
06.07.2022	1.03	0.84	0	0	0.19
07.07.2022	3	2.83	0	0	0.17
08.07.2022	1.13	0.96	0	0	0.17
12.07.2022	0.9	0.73	0	0	0.17
13.07.2022	0.94	0.78	0	0	0.16
14.07.2022	10.22	10.05	0	0	0.17
15.07.2022	1.31	1.15	0	0	0.16
19.07.2022	1.01	0.82	0	0	0.19
20.07.2022	0.98	0.79	0	0	0.19
21.07.2022	0.17	-0.01	0	0	0.18
22.07.2022	0.06	-0.11	0	0	0.17
26.07.2022	0.99	0.83	0	0	0.16
27.07.2022	0.62	0.49	0	0	0.13
28.07.2022	1.01	0.87	0	0	0.14
29.07.2022	-0.48	-0.61	0	0	0.13
02.08.2022	0.79	0.63	0	0	0.16
03.08.2022	-0.01	-0.16	0	0	0.15
04.08.2022	0.83	0.67	0	0	0.16
05.08.2022	0.82	0.66	0	0	0.16
09.08.2022	0.9	0.75	0	0	0.15

10.08.2022	0.91	0.76	0	0	0.15
11.08.2022	0.83	0.68	0	0	0.15
12.08.2022	1.01	0.86	0	0	0.15
16.08.2022	0.57	0.44	0	0	0.13
17.08.2022	0.8	0.66	0	0	0.14
18.08.2022	0.68	0.54	0	0	0.14
19.08.2022	0.7	0.56	0	0	0.14
23.08.2022	0.72	0.59	0	0	0.13
24.08.2022	0.62	0.49	0	0	0.13
25.08.2022	0.76	0.62	0	0	0.14
26.08.2022	0.65	0.52	0	0	0.13
30.08.2022	0.69	0.55	0	0	0.14
31.08.2022	1.42	1.26	0	0	0.16
01.09.2022	-3.28	-3.46	0	0	0.18
02.09.2022	2.36	2.17	0	0	0.19
06.09.2022	0.76	0.58	0	0	0.18
07.09.2022	-0.1	-0.28	0	0	0.18
08.09.2022	1.02	0.83	0	0	0.19
09.09.2022	0.86	0.7	0	0	0.16
13.09.2022	0.69	0.54	0	0	0.15
14.09.2022	0.47	0.32	0	0	0.15
15.09.2022	1.81	1.67	0	0	0.14
16.09.2022	0.41	0.27	0	0	0.14
20.09.2022	0.58	0.42	0	0	0.16
21.09.2022	0.49	0.34	0	0	0.15
22.09.2022	0.55	0.42	0	0	0.13
23.09.2022	-0.04	-0.19	0	0	0.15
27.09.2022	3.18	3.04	0	0	0.14
28.09.2022	1.25	1.12	0	0	0.13
29.09.2022	1.06	0.94	0	0	0.12
30.09.2022	1.44	1.3	0	0	0.14
04.10.2022	4.91	4.74	0	0	0.17
05.10.2022	1.44	1.25	0	0	0.19
06.10.2022	0.34	0.17	0	0	0.17
07.10.2022	1.65	1.48	0	0	0.17
11.10.2022	-0.13	-0.3	0	0	0.17
12.10.2022	0.68	0.52	0	0	0.16
13.10.2022	0.91	0.75	0	0	0.16
14.10.2022	1.36	1.18	0	0	0.18

18.10.2022	3.6	3.4	0	0	0.2
19.10.2022	3.38	3.18	0	0	0.2
20.10.2022	2.03	1.81	0	0	0.22
21.10.2022	4.36	4.13	0	0	0.23
25.10.2022	4.32	4.06	0	0	0.26
26.10.2022	2.78	2.5	0	0	0.28
27.10.2022	2.97	2.68	0	0	0.29
28.10.2022	0.58	0.31	0	0	0.27
01.11.2022	11.9	11.61	0	0	0.29
02.11.2022	1.17	0.88	0	0	0.29
03.11.2022	1.43	1.14	0	0	0.29
04.11.2022	-0.2	-0.51	0	0	0.31
08.11.2022	1.51	1.19	0	0	0.32
09.11.2022	1.41	1.07	0	0	0.34
10.11.2022	0.16	-0.14	0	0	0.3
11.11.2022	2.92	2.64	0	0	0.28
16.11.2022	1.24	0.99	0	0	0.25
17.11.2022	1.46	1.2	0	0	0.26
18.11.2022	1.5	1.2	0	0	0.3
22.11.2022	1.14	0.87	0	0	0.27
23.11.2022	1.05	0.8	0	0	0.25
24.11.2022	0.95	0.7	0	0	0.25
25.11.2022	1.2	0.92	0	0	0.28
29.11.2022	1.66	1.38	0	0	0.28
30.11.2022	1.38	1.08	0	0	0.3
01.12.2022	11.75	11.45	0	0	0.3
02.12.2022	1.46	1.14	0	0	0.32
06.12.2022	1.14	0.79	0	0	0.35
07.12.2022	-0.73	-1.08	0	0	0.35
08.12.2022	1.37	1.03	0	0	0.34
09.12.2022	1.45	1.1	0	0	0.35
13.12.2022	1.79	1.46	0	0	0.34
14.12.2022	1.53	1.19	0	0	0.34
15.12.2022	1.29	0.96	0	0	0.32
16.12.2022	1.57	1.19	0	0	0.38
20.12.2022	1.62	1.25	0	0	0.37
21.12.2022	1.59	1.24	0	0	0.34
22.12.2022	1.6	1.27	0	0	0.33
23.12.2022	2.09	1.72	0	0	0.36

28.12.2022	0.7	1.7	-1.3	0	0.4
29.12.2022	0.7	1.1	-0.8	0	0.4
30.12.2022	0.7	1.1	-0.8	0	0.3
03.01.2023	1	1.7	-1.1	0	0.4
04.01.2023	0.8	2.1	-1.8	0	0.4
05.01.2023	0.7	1.6	-1.3	0	0.3
06.01.2023	0.7	1.6	-1.3	0	0.4
10.01.2023	0.7	1.2	-0.8	0	0.4
11.01.2023	0.8	1.7	-1.3	0	0.4
12.01.2023	1.5	2.6	-1.8	0	0.7
13.01.2023	1.8	4.4	-3.5	0	0.9
19.01.2023	0.8	0.2	0.2	0	0.4
20.01.2023	0.8	1.8	-1.4	0	0.4
24.01.2023	1.8	4	-3.1	0	0.9
25.01.2023	2	3.6	-2.6	0	1
26.01.2023	2	5.6	-4.5	0	1
27.01.2023	1.6	1.6	-0.8	0	0.8
31.01.2023	2	4.4	-3.4	0	1
01.02.2023	2.1	38.9	-37.5	0	0.7
02.02.2023	1.5	3.3	-2.6	0	0.8
03.02.2023	1.2	2.7	-2.1	0	0.6
08.02.2023	0.9	1.9	-1.5	0	0.5
03.10.2023	1.3	2.2	-1.6	0	0.8
10.02.2023	0.9	1.4	-1	0	0.5
14.02.2023	0.9	1.8	-1.3	0	0.5
15.02.2023	0.9	1.5	-1.1	0	0.5
16.02.2023	0.9	1.8	-1.4	0	0.5
17.02.2023	0.9	1.8	-1.4	0	0.5
21.02.2023	0.9	1.8	-1.4	0	0.5
22.02.2023	1	1.5	-1.1	0	0.5
23.02.2023	1	2.2	-1.7	0	0.5
24.02.2023	1	1.8	-1.3	0	0.5
28.02.2023	1.3	1.9	-1.3	0	0.7
01.03.2023	1.4	6.7	-6	0	0.7
02.03.2023	2.9	4.2	-2.8	0	1.6
03.03.2023	2	3.2	-2.2	0	1.1
07.03.2023	1.6	2.5	-1.8	0	0.9
08.03.2023	1.6	3.2	-2.5	0	0.9
09.03.2023	1.3	2.7	-2.1	0	0.7

10.03.2023	1.2	2.2	-1.7	0	0.7
14.03.2023	0.8	0.7	-0.4	0	0.4
15.03.2023	0.8	1.1	-0.8	0	0.4
16.03.2023	0.6	4.5	-4.2	0	0.3
17.03.2023	1.1	1.4	-0.9	0	0.6
21.03.2023	1.6	3.9	-3.2	0	0.9
22.03.2023	1.8	3.8	-3	0	1
23.03.2023	2.1	4	-3	0	1.1
24.03.2023	2	4.4	-3.5	0	1.1
28.03.2023	1.2	2.7	-2.1	0	0.7
29.03.2023	2.5	4.7	-3.6	0	1.3
30.03.2023	2.2	3.7	-2.7	0	1.2
31.03.2023	2.3	2.9	-1.8	0	1.2
04.04.2023	1.8	2.8	-1.9	0	1
05.04.2023	2.2	4.4	-3.4	0	1.2
06.04.2023	1.2	1.9	-1.3	0	0.7
12.04.2023	1.2	1.8	-1.3	0	0.7
13.04.2023	1.1	1.7	-1.2	0	0.6
14.04.2023	1	1.8	-1.4	0	0.5
18.04.2023	0.9	1.7	-1.2	0	0.5
19.04.2023	1.1	2.3	-1.8	0	0.6
20.04.2023	1.1	2.4	-1.8	0	0.6
21.04.2023	1	1.8	-1.3	0	0.5
25.04.2023	1	2.3	-1.9	0	0.5
26.04.2023	0.9	1.6	-1.2	0	0.5
27.04.2023	1.1	1.6	-1.1	0	0.6
28.04.2023	1.5	3.5	-2.8	0	0.8
03.05.2023	1.1	1.6	-1.2	0	0.6
04.05.2023	1.1	2.1	-1.6	0	0.6
05.05.2023	0.9	0.9	-0.5	0	0.5
09.05.2023	1.1	1.8	-1.3	0	0.6
10.05.2023	0.9	1.4	-1	0	0.5
11.05.2023	0.9	1.2	-0.9	0	0.5
12.05.2023	0.9	1.6	-1.2	0	0.5
16.05.2023	0.8	1.4	-1	0	0.5
17.05.2023	0.8	0.8	-0.5	0	0.5
18.05.2023	0.8	0.4	-0.1	0	0.5
19.05.2023	0.9	1.4	-1	0	0.5
23.05.2023	0.8	0.9	-0.6	0	0.4

24.05.2023	0.8	1.1	-0.7	0	0.4
25.05.2023	0.9	1.4	-1	0	0.5
26.05.2023	0.8	1.1	-0.7	0	0.4
30.05.2023	0.7	1	-0.7	0	0.4
31.05.2023	0.8	0.9	-0.6	0	0.4
01.06.2023	0.9	0.2	0.2	0	0.5
02.06.2023	1	1.7	-1.3	0	0.6
06.06.2023	0.8	1	-0.7	0	0.5
07.06.2023	0.9	1.6	-1.2	0	0.5
08.06.2023	0.9	1.5	-1.1	0	0.5
09.06.2023	0.8	1.2	-0.9	0	0.5
20.06.2023	1.3	2	-1.4	0	0.7
21.06.2023	1.4	1.3	-0.7	0	0.8
22.06.2023	1.5	2.5	-1.8	0	0.8
23.06.2023	1.8	2.3	-1.5	0	1
27.06.2023	1.2	1.2	-0.7	0	0.7
28.06.2023	1.6	1.8	-1.1	0	0.9
29.06.2023	1.4	1.6	-1	0	0.8
30.06.2023	1.3	1.7	-1.2	0	0.7
04.07.2023	1.3	1.9	-1.3	0	0.8
05.07.2023	1.3	2.2	-1.6	0	0.7
06.07.2023	1.3	2.2	-1.7	0	0.7
07.07.2023	1.2	2	-1.5	0	0.7
11.07.2023	1.2	2	-1.4	0	0.7
12.07.2023	0.9	1.4	-0.9	0	0.5
13.07.2023	0.8	1.3	-0.9	0	0.4
14.07.2023	0.7	0.7	-0.4	0	0.4
18.07.2023	0.9	1.1	-0.7	0	0.5
19.07.2023	0.8	0.9	-0.6	0	0.4
20.07.2023	0.7	1.2	-0.8	0	0.4
21.07.2023	0.8	0.9	-0.6	0	0.5
25.07.2023	0.7	0.5	-0.2	0	0.4
26.07.2023	0.6	0.7	-0.4	0	0.4
27.07.2023	0.6	0.6	-0.3	0	0.4
28.07.2023	0.6	1.1	-0.8	0	0.4
01.08.2023	0.8	18.2	-17.7	0	0.4
02.08.2023	0.8	0.7	-0.3	0	0.4
03.08.2023	0.7	1.1	-0.8	0	0.4
04.08.2023	0.7	0.7	-0.4	0	0.4

08.08.2023	0.8	1.3	-0.9	0	0.5
09.08.2023	0.7	1.2	-0.9	0	0.4
10.08.2023	0.9	1	-0.6	0	0.5
11.08.2023	0.9	0.9	-0.5	0	0.5
15.08.2023	0.8	1	-0.7	0	0.4
16.08.2023	0.7	0.7	-0.4	0	0.4
17.08.2023	0.8	1.5	-1.2	0	0.4
18.08.2023	0.7	1.1	-0.8	0	0.4
22.08.2023	0.8	0.7	-0.4	0	0.4
23.08.2023	0.7	0.9	-0.6	0	0.4
24.08.2023	0.7	1.2	-0.9	0	0.4
25.08.2023	0.7	1	-0.6	0	0.4
29.08.2023	0.7	1.3	-0.9	0	0.4
30.08.2023	0.7	0.9	-0.6	0	0.4
31.08.2023	0.8	1.1	-0.8	0	0.5
01.09.2023	0.8	0.2	0.2	0	0.5
05.09.2023	0.7	0.6	-0.3	0	0.4
06.09.2023	0.7	0.8	-0.5	0	0.4
07.09.2023	0.8	0.9	-0.6	0	0.4
08.09.2023	0.8	0.7	-0.4	0	0.4
12.09.2023	0.8	1	-0.6	0	0.5
13.09.2023	0.8	1.2	-0.9	0	0.5
14.09.2023	0.9	1	-0.7	0	0.5
15.09.2023	0.7	0.8	-0.5	0	0.4
19.09.2023	0.9	1.3	-0.9	0	0.5
20.09.2023	0.9	1.4	-1	0	0.5
21.09.2023	0.9	1.2	-0.8	0	0.5
22.09.2023	1.1	1.6	-1.2	0	0.6
26.09.2023	1.3	1.4	-0.9	0	0.8
27.09.2023	1.4	2.2	-1.6	0	0.8
28.09.2023	1.4	2.8	-2.2	0	0.8
29.09.2023	1.6	2	-1.3	0	0.9
01.03.2024	2.8	7.9	-6.6	0	1.5
04.10.2023	1.4	2.3	-1.8	0	0.8
05.10.2023	1.3	1.7	-1.2	0	0.8
06.10.2023	1.2	1.8	-1.3	0	0.7
10.10.2023	0.9	0.6	-0.2	0	0.6
11.10.2023	1.1	1	-0.6	0	0.6
12.10.2023	1	1.5	-1.1	0	0.6

13.10.2023	1	1.3	-0.9	0	0.6
17.10.2023	0.8	0.7	-0.4	0	0.5
18.10.2023	0.8	1.4	-1.1	0	0.5
19.10.2023	0.7	0.8	-0.5	0	0.4
20.10.2023	0.7	0.7	-0.5	0	0.4
24.10.2023	0.8	0.9	-0.6	0	0.4
25.10.2023	0.7	1.2	-0.9	0	0.4
26.10.2023	0.7	0.9	-0.6	0	0.4
27.10.2023	0.7	1.1	-0.8	0	0.4
31.10.2023	1.1	1	-0.5	0	0.7
01.11.2023	1.4	0.3	0.3	0	0.8
02.11.2023	1.2	1.4	-0.9	0	0.7
03.11.2023	1.5	2.5	-1.9	0	0.9
07.11.2023	1.8	3.7	-3	0	1
08.11.2023	1.5	2	-1.3	0	0.9
09.11.2023	1.5	1.4	-0.8	0	0.9
10.11.2023	1.8	2.3	-1.5	0	1
14.11.2023	2	2	-1.2	0	1.1
15.11.2023	2.4	4.2	-3.1	0	1.4
16.11.2023	1.8	2.7	-1.9	0	1
17.11.2023	2.2	2.3	-1.3	0	1.2
21.11.2023	2.8	4.6	-3.4	0	1.6
22.11.2023	2.3	3.9	-2.9	0	1.3
23.11.2023	1.8	3.9	-3.1	0	1
24.11.2023	2.1	4.9	-4	0	1.2
28.11.2023	2	3	-2.1	0	1.2
29.11.2023	2.4	3.3	-2.3	0	1.3
30.11.2023	1.7	3.5	-2.8	0	1
01.12.2023	1.3	30	-29.2	0	0.5
05.12.2023	0.8	1.2	-0.9	0	0.5
06.12.2023	0.8	0.9	-0.6	0	0.5
07.12.2023	0.8	0.9	-0.6	0	0.4
08.12.2023	0.8	1.3	-1	0	0.5
12.12.2023	0.8	0.6	-0.3	0	0.5
13.12.2023	0.8	0.8	-0.4	0	0.5
14.12.2023	0.9	1.8	-1.4	0	0.5
15.12.2023	1.2	2.6	-2.1	0	0.7
19.12.2023	1	0.9	-0.6	0	0.6
20.12.2023	0.9	1.3	-0.9	0	0.5

21.12.2023	0.9	1.5	-1.2	0	0.5
22.12.2023	0.8	1	-0.7	0	0.5
28.12.2023	0.8	0.9	-0.6	0	0.4
29.12.2023	0.6	0.6	-0.4	0	0.3
03.01.2024	0.6	1.4	-1.2	0	0.3
04.01.2024	0.6	1.1	-0.8	0	0.3
05.01.2024	0.6	0.8	-0.6	0	0.4
09.01.2024	0.6	0.7	-0.5	0	0.3
10.01.2024	0.6	0.8	-0.5	0	0.4
11.01.2024	0.7	0.9	-0.6	0	0.4
12.01.2024	0.7	1.1	-0.8	0	0.4
16.01.2024	0.7	1.5	-1.2	0	0.4
17.01.2024	0.7	1	-0.7	0	0.4
18.01.2024	0.9	0.9	-0.6	0	0.5
19.01.2024	0.9	1.6	-1.2	0	0.5
23.01.2024	1.1	2.2	-1.7	0	0.6
24.01.2024	1	1.8	-1.3	0	0.6
25.01.2024	0.9	1.3	-1	0	0.5
26.01.2024	0.9	1.8	-1.4	0	0.5
30.01.2024	0.7	1.3	-1	0	0.4
31.01.2024	0.8	1.2	-0.9	0	0.5
01.02.2024	0.7	9.9	-9.6	0	0.4
02.02.2024	0.7	1.2	-0.9	0	0.4
06.02.2024	0.8	1.1	-0.8	0	0.4
07.02.2024	0.8	1.3	-1	0	0.5
08.02.2024	0.9	1.5	-1.1	0	0.5
09.02.2024	1	1.5	-1.1	0	0.6
13.02.2024	1.1	1.7	-1.2	0	0.7
14.02.2024	1.7	2.4	-1.7	0	1
15.02.2024	1.7	3	-2.2	0	1
16.02.2024	1.4	1.9	-1.3	0	0.8
20.02.2024	1.8	3.9	-3.1	0	1
21.02.2024	2.2	3.6	-2.6	0	1.3
22.02.2024	2.1	4.6	-3.6	0	1.2
23.02.2024	2.5	4.7	-3.6	0	1.4
27.02.2024	3.5	4.8	-3.2	0	2
28.02.2024	2.8	5	-3.7	0	1.6
29.02.2024	2.8	5.4	-4.2	0	1.6

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