

# Historical cost data

**ISIN: DE000HB78PV8**

| Date       | Cost Impact / Reduction in Yield (%) | Entry Costs (%) | Exit Costs (%) | Portfolio Transaction Costs per Year (%) | Other Ongoing Costs (%) |
|------------|--------------------------------------|-----------------|----------------|--|-------------------------|
| 03.06.2022 | 0                                    | 0               | 0              | 0  | 0                       |
| 08.06.2022 | 0                                    | 0               | 0              | 0  | 0                       |
| 15.06.2022 | -0.02                                | -0.02           | 0              | 0  | 0                       |
| 25.07.2022 | -0.14                                | -0.14           | 0              | 0  | 0                       |
| 08.08.2022 | 0.01                                 | 0.01            | 0              | 0  | 0                       |
| 25.08.2022 | -0.2                                 | -0.2            | 0              | 0  | 0                       |
| 12.09.2022 | -0.1                                 | -0.1            | 0              | 0  | 0                       |
| 26.09.2022 | 0.04                                 | 0.04            | 0              | 0  | 0                       |
| 17.11.2022 | -0.61                                | -0.61           | 0              | 0  | 0                       |
| 13.12.2022 | -0.51                                | -0.51           | 0              | 0  | 0                       |
| 14.12.2022 | -0.48                                | -0.48           | 0              | 0  | 0                       |
| 15.12.2022 | -0.6                                 | -0.6            | 0              | 0  | 0                       |
| 09.06.2022 | -0.01                                | -0.01           | 0              | 0  | 0                       |
| 10.06.2022 | -0.01                                | -0.01           | 0              | 0  | 0                       |
| 13.06.2022 | -0.01                                | -0.01           | 0              | 0  | 0                       |
| 14.06.2022 | -0.03                                | -0.03           | 0              | 0  | 0                       |
| 16.06.2022 | -0.03                                | -0.03           | 0              | 0  | 0                       |
| 17.06.2022 | -0.03                                | -0.03           | 0              | 0  | 0                       |
| 20.06.2022 | -0.04                                | -0.04           | 0              | 0  | 0                       |
| 21.06.2022 | -0.08                                | -0.08           | 0              | 0  | 0                       |
| 22.06.2022 | -0.04                                | -0.04           | 0              | 0  | 0                       |
| 23.06.2022 | -0.07                                | -0.07           | 0              | 0  | 0                       |
| 24.06.2022 | 0.24                                 | 0.24            | 0              | 0  | 0                       |
| 27.06.2022 | -0.05                                | -0.05           | 0              | 0  | 0                       |
| 28.06.2022 | -0.1                                 | -0.1            | 0              | 0  | 0                       |
| 29.06.2022 | -0.06                                | -0.06           | 0              | 0  | 0                       |
| 30.06.2022 | -0.08                                | -0.08           | 0              | 0  | 0                       |
| 01.07.2022 | -0.2                                 | -0.2            | 0              | 0  | 0                       |
| 04.07.2022 | -0.07                                | -0.07           | 0              | 0  | 0                       |
| 05.07.2022 | -0.09                                | -0.09           | 0              | 0  | 0                       |
| 06.07.2022 | 0.01                                 | 0.01            | 0              | 0  | 0                       |

|            |       |       |   |   |   |
|------------|-------|-------|---|---|---|
| 07.07.2022 | 0.19  | 0.19  | 0 | 0 | 0 |
| 08.07.2022 | 0.02  | 0.02  | 0 | 0 | 0 |
| 11.07.2022 | -0.04 | -0.04 | 0 | 0 | 0 |
| 12.07.2022 | -0.08 | -0.08 | 0 | 0 | 0 |
| 13.07.2022 | -0.02 | -0.02 | 0 | 0 | 0 |
| 14.07.2022 | -0.06 | -0.06 | 0 | 0 | 0 |
| 15.07.2022 | -0.06 | -0.06 | 0 | 0 | 0 |
| 18.07.2022 | -0.04 | -0.04 | 0 | 0 | 0 |
| 19.07.2022 | -0.08 | -0.08 | 0 | 0 | 0 |
| 20.07.2022 | -0.13 | -0.13 | 0 | 0 | 0 |
| 21.07.2022 | -0.15 | -0.15 | 0 | 0 | 0 |
| 22.07.2022 | -0.11 | -0.11 | 0 | 0 | 0 |
| 26.07.2022 | 0.05  | 0.05  | 0 | 0 | 0 |
| 27.07.2022 | -0.16 | -0.16 | 0 | 0 | 0 |
| 28.07.2022 | -0.07 | -0.07 | 0 | 0 | 0 |
| 29.07.2022 | -0.28 | -0.28 | 0 | 0 | 0 |
| 01.08.2022 | -0.04 | -0.04 | 0 | 0 | 0 |
| 02.08.2022 | -0.11 | -0.11 | 0 | 0 | 0 |
| 03.08.2022 | 0     | 0     | 0 | 0 | 0 |
| 04.08.2022 | -0.11 | -0.11 | 0 | 0 | 0 |
| 05.08.2022 | 0.06  | 0.06  | 0 | 0 | 0 |
| 09.08.2022 | -0.09 | -0.09 | 0 | 0 | 0 |
| 10.08.2022 | -0.09 | -0.09 | 0 | 0 | 0 |
| 11.08.2022 | -0.12 | -0.12 | 0 | 0 | 0 |
| 12.08.2022 | 0     | 0     | 0 | 0 | 0 |
| 15.08.2022 | -0.08 | -0.08 | 0 | 0 | 0 |
| 16.08.2022 | -0.12 | -0.12 | 0 | 0 | 0 |
| 17.08.2022 | -0.16 | -0.16 | 0 | 0 | 0 |
| 18.08.2022 | -0.17 | -0.17 | 0 | 0 | 0 |
| 19.08.2022 | -0.12 | -0.12 | 0 | 0 | 0 |
| 22.08.2022 | -0.1  | -0.1  | 0 | 0 | 0 |
| 23.08.2022 | -0.16 | -0.16 | 0 | 0 | 0 |
| 24.08.2022 | -0.12 | -0.12 | 0 | 0 | 0 |
| 26.08.2022 | -0.13 | -0.13 | 0 | 0 | 0 |
| 29.08.2022 | 0.01  | 0.01  | 0 | 0 | 0 |
| 30.08.2022 | -0.19 | -0.19 | 0 | 0 | 0 |
| 31.08.2022 | -0.49 | -0.49 | 0 | 0 | 0 |
| 01.09.2022 | 0.07  | 0.07  | 0 | 0 | 0 |
| 02.09.2022 | 0.11  | 0.11  | 0 | 0 | 0 |

|            |       |       |   |   |   |
|------------|-------|-------|---|---|---|
| 05.09.2022 | -0.14 | -0.14 | 0 | 0 | 0 |
| 06.09.2022 | -0.11 | -0.11 | 0 | 0 | 0 |
| 07.09.2022 | -0.28 | -0.28 | 0 | 0 | 0 |
| 08.09.2022 | -0.21 | -0.21 | 0 | 0 | 0 |
| 09.09.2022 | -0.11 | -0.11 | 0 | 0 | 0 |
| 13.09.2022 | -0.25 | -0.25 | 0 | 0 | 0 |
| 14.09.2022 | -0.35 | -0.35 | 0 | 0 | 0 |
| 15.09.2022 | -0.5  | -0.5  | 0 | 0 | 0 |
| 16.09.2022 | -0.09 | -0.09 | 0 | 0 | 0 |
| 19.09.2022 | -0.21 | -0.21 | 0 | 0 | 0 |
| 20.09.2022 | -0.22 | -0.22 | 0 | 0 | 0 |
| 21.09.2022 | -0.24 | -0.24 | 0 | 0 | 0 |
| 22.09.2022 | -0.17 | -0.17 | 0 | 0 | 0 |
| 23.09.2022 | 0.07  | 0.07  | 0 | 0 | 0 |
| 27.09.2022 | -0.31 | -0.31 | 0 | 0 | 0 |
| 28.09.2022 | -0.06 | -0.06 | 0 | 0 | 0 |
| 29.09.2022 | -0.18 | -0.18 | 0 | 0 | 0 |
| 30.09.2022 | -0.82 | -0.82 | 0 | 0 | 0 |
| 03.10.2022 | 0     | 0     | 0 | 0 | 0 |
| 04.10.2022 | -0.29 | -0.29 | 0 | 0 | 0 |
| 05.10.2022 | -0.6  | -0.6  | 0 | 0 | 0 |
| 06.10.2022 | -0.39 | -0.39 | 0 | 0 | 0 |
| 07.10.2022 | -0.9  | -0.9  | 0 | 0 | 0 |
| 10.10.2022 | -0.48 | -0.48 | 0 | 0 | 0 |
| 11.10.2022 | -0.53 | -0.53 | 0 | 0 | 0 |
| 12.10.2022 | -0.52 | -0.52 | 0 | 0 | 0 |
| 13.10.2022 | -0.62 | -0.62 | 0 | 0 | 0 |
| 14.10.2022 | -1.53 | -1.53 | 0 | 0 | 0 |
| 17.10.2022 | -0.59 | -0.59 | 0 | 0 | 0 |
| 18.10.2022 | -0.54 | -0.54 | 0 | 0 | 0 |
| 19.10.2022 | -0.75 | -0.75 | 0 | 0 | 0 |
| 20.10.2022 | -0.51 | -0.51 | 0 | 0 | 0 |
| 21.10.2022 | -0.63 | -0.63 | 0 | 0 | 0 |
| 24.10.2022 | -0.57 | -0.57 | 0 | 0 | 0 |
| 25.10.2022 | -0.67 | -0.67 | 0 | 0 | 0 |
| 26.10.2022 | -0.55 | -0.55 | 0 | 0 | 0 |
| 27.10.2022 | 0.02  | 0.02  | 0 | 0 | 0 |
| 28.10.2022 | -0.98 | -0.98 | 0 | 0 | 0 |
| 31.10.2022 | -0.67 | -0.67 | 0 | 0 | 0 |

|            |       |       |   |   |   |
|------------|-------|-------|---|---|---|
| 01.11.2022 | -0.77 | -0.77 | 0 | 0 | 0 |
| 02.11.2022 | -0.66 | -0.66 | 0 | 0 | 0 |
| 03.11.2022 | -0.66 | -0.66 | 0 | 0 | 0 |
| 04.11.2022 | -0.52 | -0.52 | 0 | 0 | 0 |
| 07.11.2022 | -0.42 | -0.42 | 0 | 0 | 0 |
| 08.11.2022 | -0.7  | -0.7  | 0 | 0 | 0 |
| 09.11.2022 | -0.78 | -0.78 | 0 | 0 | 0 |
| 10.11.2022 | -0.72 | -0.72 | 0 | 0 | 0 |
| 11.11.2022 | -0.35 | -0.35 | 0 | 0 | 0 |
| 14.11.2022 | -0.6  | -0.6  | 0 | 0 | 0 |
| 15.11.2022 | -0.52 | -0.52 | 0 | 0 | 0 |
| 16.11.2022 | -0.57 | -0.57 | 0 | 0 | 0 |
| 18.11.2022 | -0.42 | -0.42 | 0 | 0 | 0 |
| 21.11.2022 | -0.5  | -0.5  | 0 | 0 | 0 |
| 22.11.2022 | -0.53 | -0.53 | 0 | 0 | 0 |
| 23.11.2022 | -0.59 | -0.59 | 0 | 0 | 0 |
| 24.11.2022 | -0.55 | -0.55 | 0 | 0 | 0 |
| 25.11.2022 | -0.67 | -0.67 | 0 | 0 | 0 |
| 28.11.2022 | -0.35 | -0.35 | 0 | 0 | 0 |
| 29.11.2022 | -0.94 | -0.94 | 0 | 0 | 0 |
| 30.11.2022 | -0.57 | -0.57 | 0 | 0 | 0 |
| 01.12.2022 | -0.45 | -0.45 | 0 | 0 | 0 |
| 02.12.2022 | -0.55 | -0.55 | 0 | 0 | 0 |
| 05.12.2022 | -0.43 | -0.43 | 0 | 0 | 0 |
| 06.12.2022 | -0.52 | -0.52 | 0 | 0 | 0 |
| 07.12.2022 | -0.57 | -0.57 | 0 | 0 | 0 |
| 08.12.2022 | -0.47 | -0.47 | 0 | 0 | 0 |
| 09.12.2022 | -0.59 | -0.59 | 0 | 0 | 0 |
| 12.12.2022 | -0.54 | -0.54 | 0 | 0 | 0 |
| 21.12.2022 | -0.6  | -0.6  | 0 | 0 | 0 |
| 16.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 18.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 26.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 08.03.2023 | 0     | 0     | 0 | 0 | 0 |
| 28.03.2023 | 0.1   | 0.1   | 0 | 0 | 0 |
| 29.03.2023 | 0     | 0     | 0 | 0 | 0 |
| 05.05.2023 | 0     | 0     | 0 | 0 | 0 |
| 11.05.2023 | 0     | 0     | 0 | 0 | 0 |
| 24.05.2023 | 0     | 0     | 0 | 0 | 0 |

|            |       |       |   |   |   |
|------------|-------|-------|---|---|---|
| 01.06.2023 | 0     | 0     | 0 | 0 | 0 |
| 09.06.2023 | 0.1   | 0.1   | 0 | 0 | 0 |
| 16.12.2022 | -0.41 | -0.41 | 0 | 0 | 0 |
| 19.12.2022 | -0.24 | -0.24 | 0 | 0 | 0 |
| 20.12.2022 | -0.48 | -0.48 | 0 | 0 | 0 |
| 22.12.2022 | -0.53 | -0.53 | 0 | 0 | 0 |
| 23.12.2022 | -0.55 | -0.55 | 0 | 0 | 0 |
| 26.12.2022 | -0.4  | -0.4  | 0 | 0 | 0 |
| 28.12.2022 | -0.46 | -0.46 | 0 | 0 | 0 |
| 29.12.2022 | 0     | 0     | 0 | 0 | 0 |
| 30.12.2022 | 0     | 0     | 0 | 0 | 0 |
| 02.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 03.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 04.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 05.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 06.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 09.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 10.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 11.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 12.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 13.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 19.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 20.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 23.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 24.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 25.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 27.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 30.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 31.01.2023 | 0     | 0     | 0 | 0 | 0 |
| 01.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 02.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 03.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 06.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 07.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 08.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 09.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 10.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 13.02.2023 | 0     | 0     | 0 | 0 | 0 |
| 14.02.2023 | 0     | 0     | 0 | 0 | 0 |

|            |     |     |   |   |   |
|------------|-----|-----|---|---|---|
| 15.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 16.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 17.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 20.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 21.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 22.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 23.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 24.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 27.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 28.02.2023 | 0   | 0   | 0 | 0 | 0 |
| 01.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 02.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 03.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 06.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 07.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 09.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 10.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 13.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 14.03.2023 | 0.1 | 0.1 | 0 | 0 | 0 |
| 15.03.2023 | 0.1 | 0.1 | 0 | 0 | 0 |
| 16.03.2023 | 0.1 | 0.1 | 0 | 0 | 0 |
| 17.03.2023 | 0.1 | 0.1 | 0 | 0 | 0 |
| 20.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 21.03.2023 | 0.3 | 0.3 | 0 | 0 | 0 |
| 22.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 23.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 24.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 27.03.2023 | 0.1 | 0.1 | 0 | 0 | 0 |
| 30.03.2023 | 0   | 0   | 0 | 0 | 0 |
| 31.03.2023 | 0.1 | 0.1 | 0 | 0 | 0 |
| 03.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 04.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 05.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 06.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 07.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 12.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 13.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 14.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 17.04.2023 | 0   | 0   | 0 | 0 | 0 |

|            |     |     |   |   |   |
|------------|-----|-----|---|---|---|
| 18.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 19.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 20.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 21.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 24.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 25.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 26.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 27.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 28.04.2023 | 0   | 0   | 0 | 0 | 0 |
| 01.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 03.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 04.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 08.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 09.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 10.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 12.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 15.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 16.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 17.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 18.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 19.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 22.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 23.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 25.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 26.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 29.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 30.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 31.05.2023 | 0   | 0   | 0 | 0 | 0 |
| 02.06.2023 | 0   | 0   | 0 | 0 | 0 |
| 05.06.2023 | 0   | 0   | 0 | 0 | 0 |
| 06.06.2023 | 0   | 0   | 0 | 0 | 0 |
| 07.06.2023 | 0   | 0   | 0 | 0 | 0 |
| 08.06.2023 | 0.1 | 0.1 | 0 | 0 | 0 |

**BEI FRAGEN WENDEN SIE SICH BITTE AN UNSER KONTAKT CENTER**

**Kontakt**

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Client Risk Management

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Mo-Fr von 9 bis 18 Uhr

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