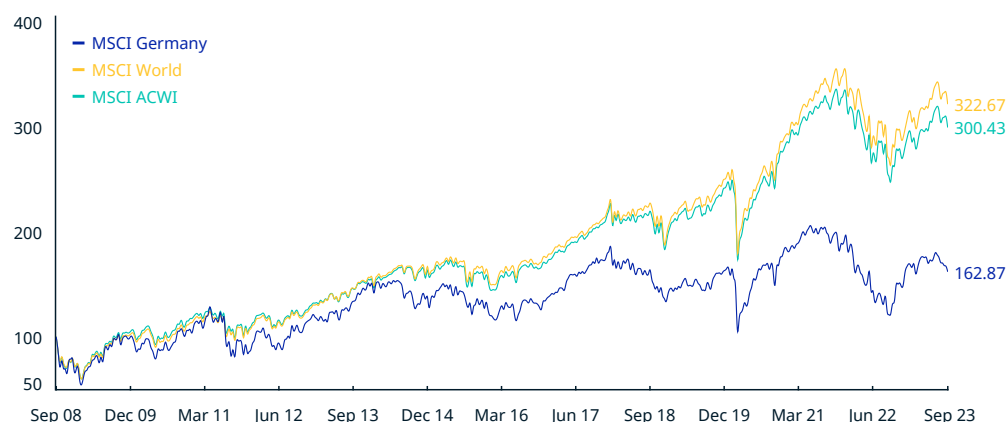


# MSCI Germany Index (USD)

The MSCI Germany Index is designed to measure the performance of the large and mid cap segments of the German market. With 59 constituents, the index covers about 85% of the equity universe in Germany.

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (SEP 2008 – SEP 2023)



## ANNUAL PERFORMANCE (%)

Year	MSCI Germany	MSCI World	MSCI ACWI
2022	-22.34	-18.14	-18.36
2021	5.34	21.82	18.54
2020	11.55	15.90	16.25
2019	20.77	27.67	26.60
2018	-22.17	-8.71	-9.41
2017	27.70	22.40	23.97
2016	2.75	7.51	7.86
2015	-1.89	-0.87	-2.36
2014	-10.36	4.94	4.16
2013	31.37	26.68	22.80
2012	30.90	15.83	16.13
2011	-18.08	-5.54	-7.35
2010	8.44	11.76	12.67
2009	25.15	29.99	34.63

## INDEX PERFORMANCE – NET RETURNS (%) (SEP 29, 2023)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 29, 2000	FUNDAMENTALS (SEP 29, 2023)			
					3 Yr	5 Yr	10 Yr			Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI Germany	-5.90	-7.72	35.52	8.79	-0.26	0.27	2.01	3.57		3.50	13.49	10.25	1.35
MSCI World	-4.31	-3.46	21.95	11.10	8.08	7.26	8.26	5.75		2.06	19.45	16.13	2.89
MSCI ACWI	-4.14	-3.40	20.80	10.06	6.89	6.46	7.56	5.65		2.17	18.70	15.48	2.66

## INDEX RISK AND RETURN CHARACTERISTICS (SEP 29, 2023)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Dec 29, 2000	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Germany	2.18	23.71	23.32	19.53	0.03	0.05	0.14	na	66.87	2000-02-29–2003-03-12
MSCI World	2.20	17.64	18.48	14.67	0.43	0.38	0.53	na	57.82	2007-10-31–2009-03-09
MSCI ACWI	2.49	17.09	18.12	14.50	0.37	0.34	0.49	0.32	58.38	2007-10-31–2009-03-09

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly net returns data

<sup>3</sup> Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

The MSCI Germany Index was launched on Mar 31, 1986. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

## INDEX CHARACTERISTICS

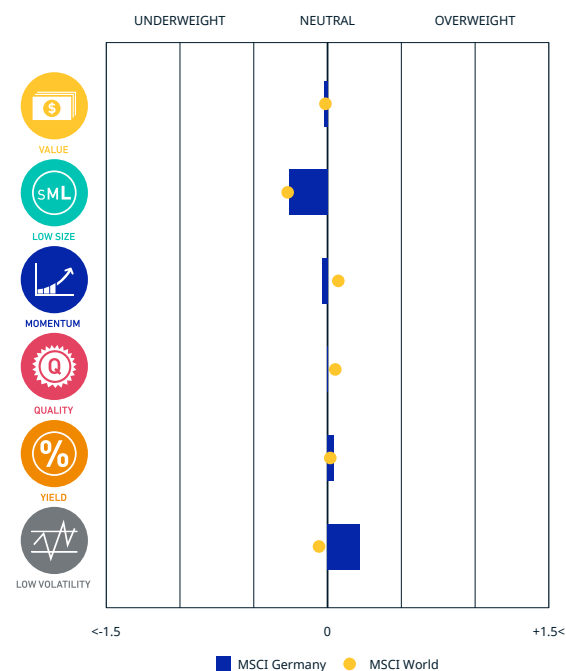
MSCI Germany	
Number of Constituents	59
Mkt Cap (USD Millions)	
Index	1,228,271.27
Largest	135,786.97
Smallest	1,601.42
Average	20,818.16
Median	11,248.16

## TOP 10 CONSTITUENTS

	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
SAP	135.79	11.06	Info Tech
SIEMENS	109.16	8.89	Industrials
ALLIANZ	96.38	7.85	Financials
DEUTSCHE TELEKOM	68.18	5.55	Comm Srvcs
MERCEDES BENZ GROUP	55.97	4.56	Cons Discr
MUENCHENER RUECKVERSICH	53.33	4.34	Financials
BAYER	47.27	3.85	Health Care
INFINEON TECHNOLOGIES	43.35	3.53	Info Tech
BASF	40.65	3.31	Materials
DEUTSCHE POST	40.44	3.29	Industrials
Total	690.52	56.22	

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

## MSCI FACTOR BOX



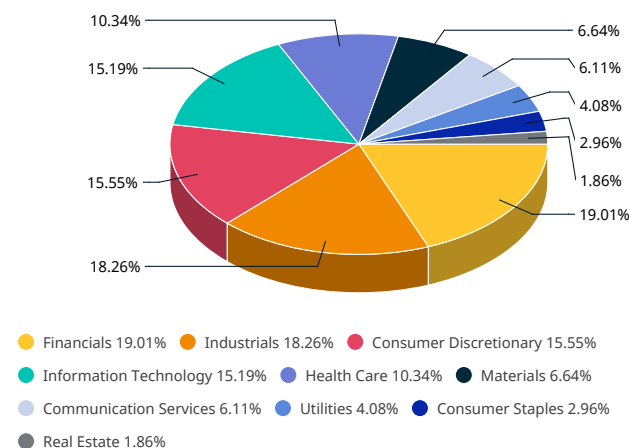
## MSCI FaCS

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

## SECTOR WEIGHTS



## INDEX FRAMEWORK

The index is based on the [MSCI Global Investable Market Indexes \(GIMI\) Methodology](#) – a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

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