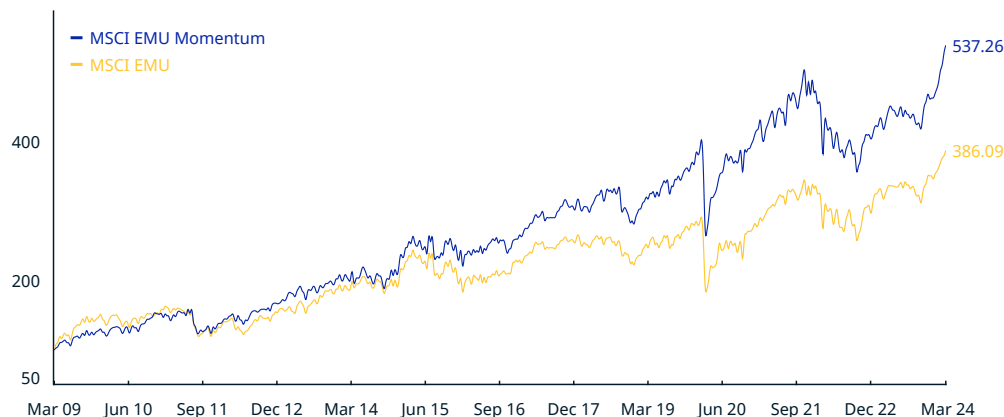


MSCI EMU Momentum Index (EUR)

The **MSCI EMU Momentum Index** is based on MSCI EMU, its parent index, which includes large and mid cap stocks across 10 Developed Markets (DM) countries in the EMU*. It is designed to reflect the performance of an equity momentum strategy by emphasizing stocks with high price momentum, while maintaining reasonably high trading liquidity, investment capacity and moderate index turnover.

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

CUMULATIVE INDEX PERFORMANCE – NET RETURNS (EUR) (MAR 2009 – MAR 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI EMU Momentum	MSCI EMU
2023	15.39	18.78
2022	-17.81	-12.47
2021	21.23	22.16
2020	9.52	-1.02
2019	30.35	25.47
2018	-6.88	-12.71
2017	16.17	12.49
2016	4.35	4.37
2015	16.85	9.81
2014	4.89	4.32
2013	22.24	23.36
2012	23.22	19.31
2011	-10.09	-14.89
2010	17.16	2.40

INDEX PERFORMANCE – NET RETURNS (%) (MAR 29, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 31, 1998
					3 Yr	5 Yr	10 Yr		
MSCI EMU Momentum	7.29	16.50	23.58	16.50	8.11	10.96	9.97	7.67	
MSCI EMU	4.45	10.25	16.70	10.25	8.72	9.21	7.11	4.42	

FUNDAMENTALS (MAR 29, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.09	13.23	12.45	1.95
3.05	15.24	13.31	1.86

INDEX RISK AND RETURN CHARACTERISTICS (DEC 31, 1998 – MAR 29, 2024)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Dec 31, 1998	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI EMU Momentum	0.79	8.81	92.86	15.01	15.48	14.25	0.52	0.72	0.73	0.45	61.36	2000-03-06–2003-03-12
MSCI EMU	1.00	0.00	3.60	15.65	18.36	16.06	0.54	0.54	0.50	0.25	60.88	2000-03-31–2003-03-12

¹ Last 12 months

² Based on monthly net returns data

³ Based on EMMI EURIBOR 1M from Sep 1 2021 & on ICE LIBOR 1M prior that date

*DM countries include: Austria, Belgium, Finland, France, Germany, Ireland, Italy, Netherlands, Portugal and Spain.

The MSCI EMU Momentum Index was launched on Dec 11, 2013. 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

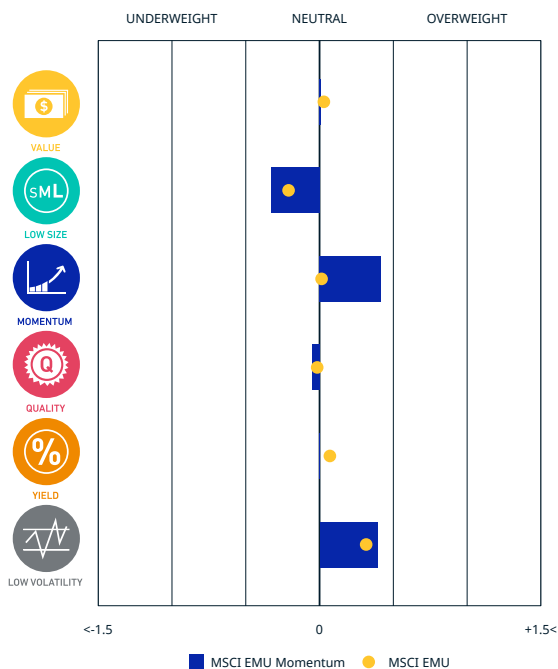
	MSCI EMU Momentum	MSCI EMU
Number of Constituents	70	224
Weight (%)		
Largest	5.43	6.76
Smallest	0.12	0.04
Average	1.43	0.45
Median	0.82	0.20

TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
SAP	DE	5.43	3.54	Info Tech
UNICREDIT	IT	4.50	1.02	Financials
TOTALENERGIES	FR	4.24	2.59	Energy
AIR LIQUIDE	FR	4.10	1.90	Materials
MUENCHENER RUECKVERSICH	DE	4.01	1.16	Financials
BBVA	ES	3.56	1.21	Financials
L'OREAL	FR	3.50	1.98	Cons Staples
AIRBUS	FR	3.48	1.90	Industrials
FERRARI (IT)	IT	3.43	0.96	Cons Discr
SAFRAN	FR	3.42	1.35	Industrials
Total		39.68	17.61	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



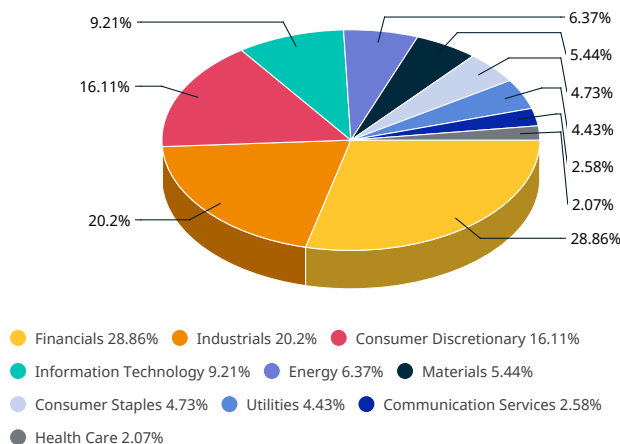
MSCI FaCS

- 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

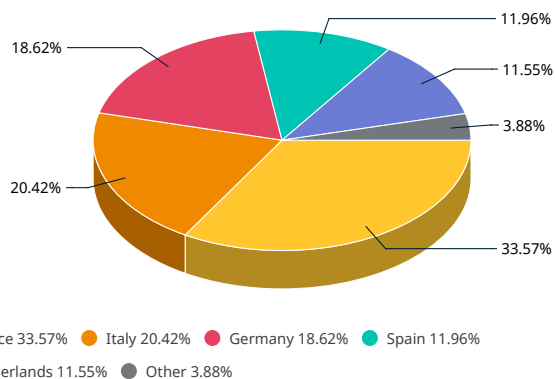
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

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

SECTOR WEIGHTS



COUNTRY WEIGHTS



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

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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