

Country Fact Sheet Motors

Switzerland



Regional Characteristics																	
Voltage	3 ~ 400V ± 10% 1 ~ 230V ± 10%																
Frequency	50 Hz																
Approval Mark																	
CE Conformity																	
Standard	EN IEC 60034																
Regulation	<ul style="list-style-type: none"> - Low Voltage Directive 2014/35/EU - ErP Directive 2009/125/EG - RoHS Directive 2011/65/EU 																
Scope	All machines and electronic devices which are affected by any EU Directive.																
Marking	CE																
Energy Efficiency																	
Ecodesign Directive																	
Regional Standard	IEC 60034-30-1																
Regulation	EnV 730.02																
Mandatory Efficiency Class	<ul style="list-style-type: none"> - IE2: 0.12 – 0.74 kW (2-, 4-, 6- and 8-pole) - IE3: 0.75 – 74 kW (2-, 4-, 6- and 8-pole) - IE3: 75 – 200 kW (8-pole) - IE3: 201 – 1000 kW (2-, 4-, 6- and 8-pole) - IE4: 75 – 200 kW (2-, 4-, 6 pole) 																
Scope	<ul style="list-style-type: none"> - Rated output power from 0.12 up to 1000 kW - Rated voltage from 50 up to 1000 V - Rated frequency 50 and 60 Hz - 2-, 4-, 6- and 8-pole - For continuous duty operation 																
Exemptions	<ul style="list-style-type: none"> - Motors with intermittent duty like S3 or S6 (duty factor < 80%) - Exclusively suitable for inverter operation - Motors with integrated variable speed drive as integral part of the motor - Motors for heavy environmental conditions like ambient temperature above +60°C or below -30°C, installation altitude above 4000m - Pole-changeable motors - Motors placed on the market before 1st July 2029 as substitutes for identical motors integrated in products placed on the market before 1st July 2022, and specifically marketed as such - Motors that share common components with the driven unit and cannot operate as a motor if separated from it - Motors specifically designed and specified to operate wholly immersed in a liquid 																
Marking	<ul style="list-style-type: none"> - IE-Class - Nominal efficiency (η) at 50%, 75% and 100 % load 																
Solutions from Lenze																	
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Individual Information per region/countries

January 2026

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