AMM20 MODULAR ENCODER, SMALLER THAN A 5 EURO CENT SMALL COIN

The AMM20 is a **frameless modular encoder** available in either **incremental or absolute version**. It excels in its stunningly minimum size and weight, which makes it ready for easy customer integration into, e.g., motors and robotic systems.
The diameter of the PCB is only 20 mm, so it is smaller than a 5 euro cent small coin! The width is less than 6 mm. The magnet has to be installed on the rotor and can be supplied loose (then the customer will mount it according to the specific needs) or already mounted on its support, which is fitted with a 6 mm hollow shaft.
The range of the operating temperature is widened to -40°C +85°C (-40°F +185°F).
Offering advanced magnetic technology, the AMM20 has no bearings or moving parts and works without contact. This limits the risk of failures due to vibration, shock, or mechanical stress; while the wear-free operation virtually eliminates machine downtime and maintenance.
As previously stated, the AMM20 can either produce incremental signals or deliver the absolute position information.
The incremental version provides AB0 /AB0 quadrature signals with Line Driver / RS-422 level and a resolution of 20,000 PPR.
In the absolute version, it is equipped with the SSI interface, and the resolution is up to 18 bit (262,144 cpr).
The AMM20 is supplied with +5Vdc, but the AMM24 model will be available soon, which will also add the +10Vdc +30Vdc power supply as well as the Push-Pull / HTL level outputs.
All other features will remain the same as the AMM20.
Thanks to its **miniature and frameless design, the AMM20 modular encoder is well-suited for direct integration into many different industrial applications**, and in particular where minimum footprint and weight are mandatory, such as *DC brushless motors and step motors, industrial robots and robotic systems in general, pick & place robots & manipulators, gimbals, drones, video surveillance cameras, semiconductor industry, printing and measuring equipment, electro-medical and laboratory instruments, and OEM equipment.*