



SMART-IDISC-TAG

The Right Choice for Demanding Conditions

The SMARTRAC SMART-IDISC-TAG product family is a robust solution purpose-built for use in severe industrial environments.

Made of polyamide and glass fiber reinforced, the tag is the right choice for outside applications as it is very compact and resistant. It is ideal for items that need to be securely identified and that are regularly subjected to high thermal and/or mechanical stress conditions. Examples include items that pass hot water cleaning processes or are used in other high temperature environments found in some heavy industries.

SMART-IDISC-TAG with Fujitsu FRAM IC is especially designed for different kinds of medical applications due to the bigger memory size and resistance to gamma radiation.

Thanks to its new molding and specific modified thermoplastic, the SMART-IDISC-TAG can withstand long water immersion, chemicals and high temperatures. Equipped with an anti-collision feature it offers the advantage that several tags can be read at the same time thus accelerating and simplifying processes.

Overview

Operating Frequency

13.56 MHz

Integrated Circuit (IC)

NXP ICode SLIX
Fujitsu FRAM 2kB, rev. C

Tag Size

Ø 20 mm (0.79 in)
Ø 30 mm (1.18 in)
Ø 50 mm (1.97 in)

International Standards

- ▶ ISO 15693
- ▶ ISO 18000-3
- ▶ IP67

Application Areas

- ▶ Automotive parts
- ▶ Medical applications
- ▶ Pallet identification
- ▶ Warehouse management

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Technical Features			
IC	NXP ICODE SLIX		Fujitsu FRAM 2kB, rev. C
Memory	1k bit		2k Byte
Frequency	13.56 MHz		13.56 MHz
Operating Temperature	-35°C to 85°C / -31°F to 185°F		-20°C to 85°C / -4°F to 185°F
Storage Temperature	-35°C to 100°C / -31°F to 212°F (max 168h)		
Tag Size	Ø 20 mm / 0.79"	Ø 30 mm / 1.18"	Ø 50 mm / 1.97"
Thickness	3 mm / 0.12"	3 mm / 0.12"	3 mm / 0.12"
Hole Diameter	N/A	5.2 mm / 0.20"	5.2 mm / 0.20"
Qty/Package	400 tags / box	1,000 tag / box	250 tags / box
Material	Polyamide with glass fiber		
Color	Black		
IP Class	P67		
Shelf Life	+20 °C, 50 % RH / 68 °F, 50 % RH - minimum 2 years from the date of manufacturing		
Additional Options:	Printing upon request		

Additional memory, protocol and product configurations are available upon request.
Other chip types are available upon request.