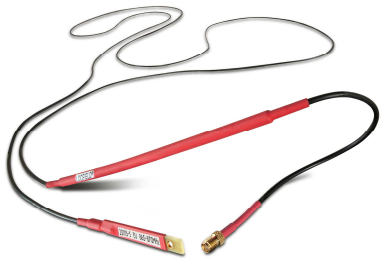
Ha-VIS LOCFIELD®

New thinking – design your RFID reading field



Ha-VIS LOCFIELD®
Traveling wave RFID antenna

Identification	Part number	Idea
Ha-VIS LOCFIELD®		The Ha-VIS LOCFIELD® changes everything. Instead of installing patch antennas, the coax antenna cable itself becomes the antenna. The read range can be varied from a few centimeters to about 2 m just by changing the power of the RFID reader. The LOCFIELD® antenna can easily be installed in any shape which serves the project in the best possible way. Applications: - Tool identification in machines - Door and window pass-throughs - Wireless sensor networks - Smart shelf
2 m (active length), total length 2,5 m, diameter 3 mm, SMA (m), EU	2093 610 110010	
2 m (active length), total length 3 m, low loss coax, diameter 5 mm, SMA (m), EU	2093 610 210010	
1 m (active length), total length 1,5 m, diameter 3 mm, SMA (m), EU	2093 610 110020	
0,3 m (active length), total length 0.6 m, diameter 3 mm, SMA (m), EU	2093 610 110030	
2 m (active length), total length 3 m, low loss coax, diameter 5 mm, SMA (m), FCC	2093 610 220010	
1 m (active length), total length 1,5 m, diameter 3 mm, SMA (m), FCC	2093 610 120020	
0,3 m (active length), total length 0.6 m, diameter 3 mm, SMA (m), FCC	2093 610 120030	

Technical characteristics

General characteristics

Read range	from a few cm up to 2 m (strongly depending on reader, configured power and tags)
Optimized for	Identification of tools in machines
	Door openings and pass throughs
	Wireless sensor networks
	Smart shelf / smart work bench

Electric properties

Frequency range	EU: 865 ... 868 MHz; FCC: 902 …928 MHz
Impedance	50 Ohm
VSWR	< 1.8:1
Polarisation	Linear (tags are read in any orientation)
Gain	approx. -7 dBi
Opening angle / read angle	360°
Max. power	2 W (applied to antenna)
Connection	SMA male
	TNC-rev (on request)

Mechanical properties

Length	see first page
Degree of protection	IP 65
Installation	Can be mounted directly on any non-conducting surface. On conducting surfaces a distance of at least 2 cm is recommended
Operating temperature range	–20 ℃ ... +65 ℃
Storage temperature range	–40 ℃ ... +85 ℃