

product type designation



HF module RF360H with internal antenna

SIMATIC RF360H HF RFID reader module; only to be operated with basic device RF160B (6GT2003-0FA00); for RF200/RF300; with internal antenna.

suitability for operation	RF300, RF200/ISO 15693 and MOBY E transponder; only to be operated with RF160B
range	100 mm
radio frequencies	
operating frequency / rated value	13.56 MHz
electrical data	
protocol / with radio transmission	RF300 specific, ISO 15693, ISO 18000-3, ISO 14443
transfer rate / with radio transmission / maximum	106 kbit/s
product feature / multitag-capable	No
supply voltage, current consumption, power loss	
type of current supply	via RF160B basic device
type of battery	--
ambient conditions	
ambient temperature	
• during operation	-20 ... +50 °C
• during storage	-20 ... +60 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	90 %
protection class IP	IP65
design, dimensions and weights	
width	85 mm
height	89 mm
depth	41 mm
net weight	0.25 kg
product features, product functions, product components / general	
design of the interface	system internal to RF 160B
standards, specifications, approvals	
certificate of suitability	EMC: EN 55032, EN 301 489, EN 300 330, safety: 62368-1, FCC Part 15.225
reference code	
• according to IEC 81346-2:2019	BYB
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO ₂ eq]	
• total	50.4 kg
• during manufacturing	10.7 kg
• during operation	39.4 kg
• after end of life	0.3 kg
accessories	
accessories	SIMATIC RF RF160B basic device

further information / internet links

internet link

- to website: Selection guide for cables and connectors
- to web page: selection aid TIA Selection Tool
- to web page: RFID country approval
- to web page: identification and localization systems
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support



- <https://support.industry.siemens.com/cs/ww/en/view/109766358>
- <https://www.siemens.com/tstcloud>
- <https://www.siemens.com/rfid-approvals>
- <https://www.siemens.com/ident>
- <https://www.siemens.com/simatic-net>
- <https://sieportal.siemens.com/>
- <https://www.automation.siemens.com/bilddb>
- <https://www.siemens.com/cax>
- <https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval	Radio Equipment Type Approval Certificate				Environment
	China RoHS	FCC	Miscellaneous	KC	

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