



Mifare DESFire  
Transponder with  
AES 128 Bit encryption



**THE NEW**  
**cryplock-RFID**  
**READING UNITS**



**DESIGN, VARIETY,  
AND PERFORMANCE CHARACTERISTICS  
TO WIN YOU OVER!**





Right at the building's entrance, your clients are able to choose from a wide range of design options. This enables you to make style statements.

There is scarcely a TELENOT product that combines the aspects of design and functionality more than the **HF/keypad reader** from the **cryptlock R/K-MD** series. The product will win you over with its elegant lines combined with various color options.

The well-shaped flat housing can be integrated seamlessly into all building facades and interiors. The capacitive keypad, backlit during operation, provides the impression of elegance and timelessness.

By not using any mechanical moving parts whatsoever, reliable functionality of the mechanical moving parts is guaranteed in all weather conditions, this particularly applies to the colder times of the year.

The readers are at the cutting edge of technology and fulfill all VdS requirements; this is thanks to the encrypted transmission based on MIFARE Classic according to the ISO/IEC 14443A standard.

Utmost security thanks to 128-bit AES encryption with Mifare DESFire transponders.

# YOU WILL BE WON OVER - BY OUR VARIETY!

RAL 9016  
Traffic white  
Art. No. 100077310



RAL 9007  
Gray aluminum  
Art. No. 400077310



Carbon silver  
Art. No. 100077311



Oak smoked  
Art. No. 100077312



Root wood  
Art. No. 100077313



Amber red  
Art. No. 100077314



Granite black  
Art. No. 100077315



Stainless steel,  
brush-finished  
Art. No. 100077317



DB-703  
Hematite  
Art. No. 100077318



Blue ice  
Art. No. 100077340



RAL 8029  
Pearl copper  
Art. No. 100077341



RAL 7030  
Stone gray  
Art. No. 100077342



Gold  
Art. No. 100077343



Cork  
Art. No. 100077344



The cryplock R/K-MD HF/keypad reader is activated by entering any 1-digit to 12-digit code and/or contact-free by an authorized Mifare transponder (ISO/IEC 14443A). When this is activated, backlighting is switched on (this can be parameterized). The entire glass surface can be used as an entry field for the HF transponder. The operating states are indicated directly on the reader by 3 LEDs and a buzzer.

On the stand-alone cryplock R-MD HF reader, operation takes place with the HF transponder only. The foil surface is used for contact-free identification. All operating states can also be displayed here.

A further option is the stand-alone HF reader for recess assembly in a 55 mm pattress as well as for integration into intercoms from the Siedle (R-MD VARIO) and RITTO companies (R-MD RITTO).

The transponder data is transmitted on an encrypted Mifare basis according to the ISO/IEC 14443A standard and thus fulfills highest requirements.

Utmost security thanks to 128-bit AES encryption with Mifare DESFire transponders.

Furthermore, connecting line tamper monitoring can be parameterized for the readers thanks to a polling process.

RAL 9016  
Traffic white  
Art. No. 100077300



RAL 9007  
Gray aluminum  
Art. No. 400077300



Carbon silver  
Art. No. 100077301



Oak smoked  
Art. No. 100077302



Root wood  
Art. No. 100077303



Amber red  
Art. No. 100077304



Granite black  
Art. No. 100077305



Stainless steel,  
brush-finished  
Art. No. 100077307



DB-703  
Hematite  
Art. No. 100077308



Blue ice  
Art. No. 100077330



RAL 8029  
Pearl copper  
Art. No. 100077331



RAL 7030  
Stone gray  
Art. No. 100077332



Gold  
Art. No. 100077333



Cork  
Art. No. 100077334



The cryplock reading units can be connected to intruder alarm control panels of the compact 80 or complex 200H/400H series with a comlock interface, as well as to the comlock 410 door module, comlock 1030 control module or comlock 3000 evaluation unit for access control, or the FWA-BM basic module.

**Technical data:**






- Connection cable 4 m
- Environmental class compliant with VdS 2110 class IV
- Protection type IP64
- Operating temperature range -25° to 70° C
- Standby power consumption approx. 15 mA
- Maximum power consumption 85 mA
- Supply voltage 10.2 to 15 V DC
- cryplock R/K-MD VdS class C (G 109080)
- cryplock R-MD VdS class C (G 110029)



Presentation case  
Art. No. 100093434

# TECHNICAL

## DETAILED INFORMATION

cryplock Reader									
Type	Input		Transponder		interface	Approval	Accessories		Art.-No.
	RFID RF-Reader	Keypad	Mifare Classic	Mifare DESFire	Dallas	VdS class C			
	R	K	M		D				
 R-MD	✓		✓	✓	✓	✓	✓		100077300 (Traffic white) 400077300 (Gray aluminium) 100077301 (Carbon silver) 100077302 (Oak smoked) 100077303 (Root wood) 100077304 (Amber red) 100077305 (Granite black) 100077307 (Stainless steel, brush-finished) 100077308 (DB-703 Hematite) 100077330 (Blue ice) 100077331 (RAL 8029 Pearl copper) 100077332 (Stone gray) 100077333 (Gold) 100077334 (Cork) (WxHxD) 82x91x19 mm
 R/K-MD	✓	✓	✓	✓	✓	✓	✓	✓	100077310 (Traffic white) 400077310 (Gray aluminium) 100077311 (Carbon silver) 100077312 (Oak smoked) 100077313 (Root wood) 100077314 (Amber red) 100077315 (Granite black) 100077317 (Stainless steel, brush-finished) 100077318 (DB-703 Hematite) 100077340 (Blue ice) 100077341 (RAL 8029 Pearl copper) 100077342 (Stone gray) 100077343 (Gold) 100077344 (Cork) (WxHxD) 82x158x19 mm
 R-MD 55 uP	✓		✓	✓	✓			✓	100077320 (WxHxD) 70x70x37 mm
 R-MD-Vario	✓		✓	✓	✓	✓			100077350 (White) 100077351 (Silver metallic) 100077354 (High-gloss white) 100077355 (High-gloss black) 100077356 (Amber mica) 100077357 (Dark gray mica) (WxH) 99 x 99 mm
 R-MD RITTO	✓		✓	✓	✓	✓			100077360 (White) 100077361 (Silver) 100077362 (Titanium) 100077363 (Gray brown) (WxH) 95x95 mm



On metallic surfaces the absorption of the RF-Reader can be reduced with the ferrite-foil FF. So it is possible to mount the reader on a metal surface.



**Ferrite foil FF (R/K-MD)**

100093263



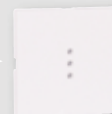
**Ferrite foil FF (R-MD)**

100093262



**Visual protection housing SG-R/K**

100077400 (Traffic white)  
400077400 (Gray aluminium)



**Cover cap GAK3-E2 with fiber-optic**








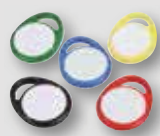





100090195 (Pure white)  
100090196 (Aluminum)  
100090197 (Anthracite)



**Cover frame GAR-E2**

100090173 (Pure white)  
100090174 (Aluminum)  
100090175 (Anthracite)

cryptlock reader --> Transponder

cryptlock reader	Art.-No.	Transponder	Art.-No.		
<b>R-MD</b> 	100077300 (Traffic white)	<b>HF-ST 10 (Mifare Classic 1k)</b> 	100091910 (Black)		
	400077300 (Gray aluminium)		100091911 (Red)		
	100077301 (Carbon silver )		100091912 (Blue)		
	100077302 (Oak smoked)		100093333 (Dark green)		
	100077303 (Root wood )		100093337 (Yellow)		
	100077304 (Amber red )				
	100077305 (Granite black)				
	100077307 (Stainless steel, brush-finished )				
	100077308 (DB-703 Hematite)				
	100077330 (Blue ice)				
	100077331 (RAL 8029 Pearl copper)				
	100077332 (Stone gray)				
100077333 (Gold)					
100077334 (Cork)					
<b>R/K-MD</b> 	100077310 (Traffic white)	<b>HF-ST 10 (Mifare Desfire)</b> 	100093620 (Black)		
	400077310 (Gray aluminium)		100093621 (Red)		
	100077311 (Carbon silver )		100093622 (Blue)		
	100077312 (Oak smoked)		100093623 (Dark green)		
	100077313 (Root wood )		100093624 (Yellow)		
	100077314 (Amber red )				
	100077315 (Granite black)				
	100077317 (Stainless steel, brush-finished )				
	100077318 (DB-703 Hematite)				
	100077340 (Blue ice)				
	100077341 (RAL 8029 Pearl copper)				
	100077342 (Stone gray)				
	100077343 (Gold)				
	100077344 (Cork)				
	<b>R-MD 55 uP</b> 		100077320	<b>HF-ST 10 (Mifare Desfire / EM 4200)</b> 	100093625 (Black)
<b>R-MD-Vario</b> 	100077350 (White)	<b>HF-ST 10 (EM4200 / Mifare Classic 1k)</b> 	100091903 (Black)		
100077351 (Silver metallic)	100091904 (Red)				
100077354 (High-gloss white)	100091905 (Blue)				
100077355 (High-gloss black)	100093331 (Dark green)				
100077356 (Amber mica)	100093335 (Yellow)				
100077357 (Dark gray mica)					
<b>R-MD RITTO</b> 	100077360 (White)	<b>HF-ST 20 (Mifare Classic 1k)</b> 	100091913 (Black)		
	100077361 (Silver)		<b>HF-KT 50 (Mifare Classic 1k)</b> 	100091920 (White)	
	100077362 (Titanium)			<b>HF-KT 50 (Mifare DESFire EV1 4k)</b> 	100091924 (White)
	100077363 (Gray brown)				<b>TWN4 writing/reading device</b> 

\* The HF TWN4 writing/reading device is required to parameterize the AES 128 bit coding.



TELENOT security technology.  
Protective. Attractive. Secure.

You have questions or want more information?  
Contact us.

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