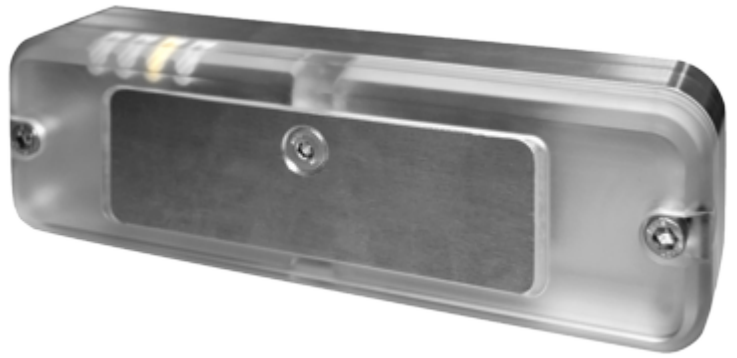


Deister UDL100 RFID Reader/Writer 868 MHz, with built-in antennas, RS485

Endurable and compact (IP65) UHF RFID reader, with primary target as mountable RFID reader on forklift. The built-in antennas have linear polarization.

The reader has integrated linear antenna, so it doesn't read all RFID tags around, but only tags in specific direction. Due to its special design the UDL100 allows operation of UHF technology even under critical space conditions.



Highlighted features:

- recording and registration of goods without breaking the transfer process
- retrofitting of all common fork lifts possible
- adaptable to all common terminal software systems
- identification of palettes, cargo loads and/or storage places
- compact and rugged design

Features

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entification of several transponders in the antenna field possible Radiated Transmit Power: max. 0.5 W E.R.P. (ETSI EN 302 208) Reading-/ Writing Distance: up to 2 m, depending on type of transponder and environmental conditions Signalling (optical): LEDs (red, yellow, green) Interfaces: RS485 Trigger Input: 8...30 V/DC Operating Modes: Dense Reader Mode can be activated Digital Output: 8...30 V/DC; I<500 mA Conformity: Human exposure EMV Air Interface EN 50364 EN 301 489 EN 302 208 v1.2 (DRM) EN 300 220 (optional) Accessories: Connection Cable CC1, Connection Box CB1, Connection Box CB2



Technical Description

Functionality & Operation	
Indicators	LED(red, yellow, green)
Communication interface	RS-485
Reading/writing distance	2m
RFID transponder protocols	ISO 18000-6C
Frequency	UHF: 865 - 868 MHz (EU)
Polarization	linear
Electrical	
Power Source	12 VDC ~ 24 VDC
Power Consumption - Standby	1W
Power Consumption - Operation	6W
Mechanical	
Dimensions	Width: 210mm, Height: 45mm, Length: 63mm
Weight	768g
Body housing	polycarbonate, aluminium
Environment	
Operating temperature	-25 to 60°C
Storage temperature	-40 to 85°C
Ingress protection	IP65
Others	
Certifications	EN 50364, EN 301489, EN 302208, EN 300220

CODEWARE, s.r.o.
Jaromirova 484/37
120 00 Praha 2 - Nusle
IČ: 61061395, DIČ: CZ61061395

+420 222 562 444
+420 737 274 952
codeware@codeware.cz
<https://eshop.codeware.cz/>

