

secure.





MLR

Mechatronic Locks for Racks

MLE

Mechatronic Locks for Enclosures

MLI

Mechatronic Locks for Industrial Applications

MLU

Mechatronic Locks for Universal Applications

MLM

Mechatronic Locks Management

MLA

Mechatronic Locks Accessoires

Individualized access control along with real-time monitoring and documentation are the fundamental tools for organized security.

Part numbers

Controlled access

Organizing, controlling, and monitoring access are essential physical security measures for enclosures.

These processes provide the system administrator with confidence and peace of mind when making decisions.

Modular by design

Holistic thinking and modular development mean designing solutions that each individual component can be combined into a single integrated system.





Mechatronic Locks for Racks MLR

The mechatronic access control solution for data center racks.

- Ideal for (de)centralized data center environments
- Integrates into existing management system
- Emergency power interface for battery pack
- Gapless audit trail
- One and two factor authentication





Storage space transponder
Storage space PIN
Stand-alone
LED handle status
Keypad with LED keypad status
LED temperature status
LED sabotage alarm/ready for opening
Illuminated info field
Door contact input
Storage for 500 events and 30 time profiles
Integrated real-time clock
Power supply ±10 %(DC)/standby current (DC)/max. current consumption (DC)
Reader 125 kHz
Reader 13,56 MHz
Conditional Relay
Relay output
Power over Ethernet capable

	MLR3000 KP				
Ethernet	RS 485	Ethernet	RS 485	_	
1.0	00	2.0	000	-	
1.0	00		_	_	
pos	sible	pos	sible	-	
	I				
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•		The state of the s	•	_	
-	-	Color co	nfigurable	Color configurable	
				-	
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	ı	I I	•	_	
12V/45 m	A/440 mA	12V/40m	nA/440 mA	12 V / 40 mA / 410 mA	
			•	-	
	I			_	
				_	
				_	
	_		_	_	

"Green

Period"







open



open

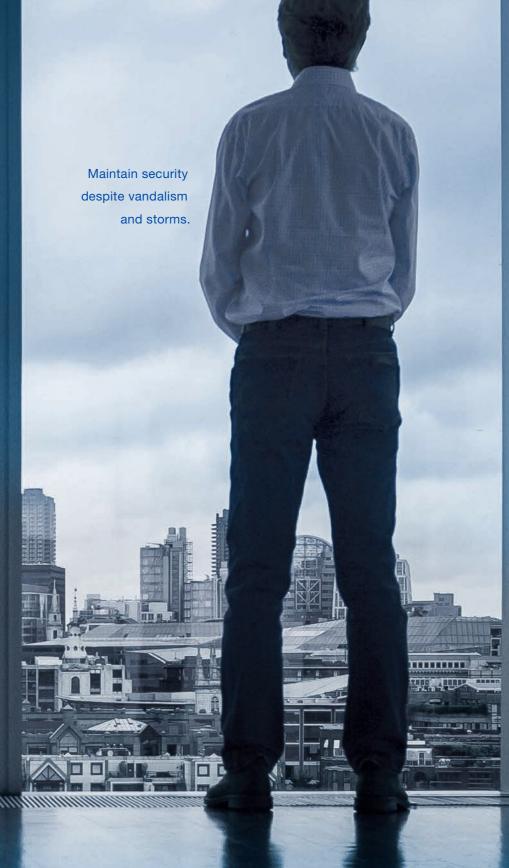


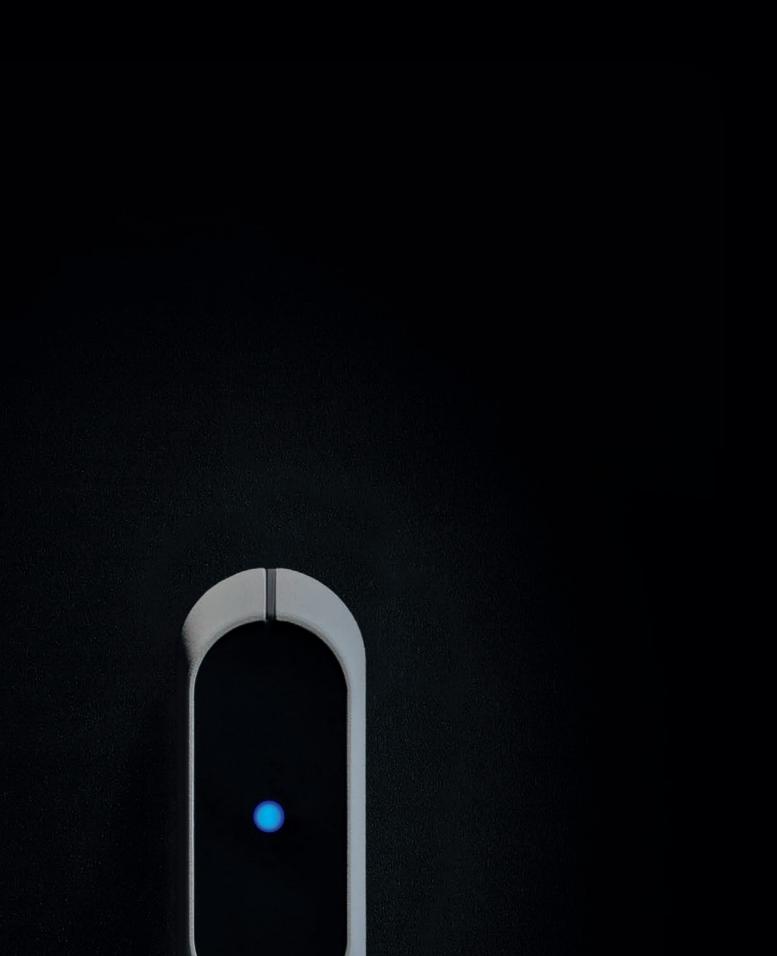








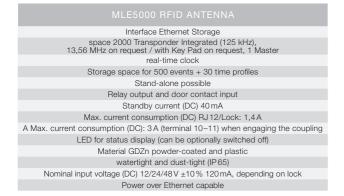




The secure mechatronic access control solution for outdoor enclosures.

- Gapless audit trail
- For outdoor applications
- Vandal-proof and weather resistant
- Integrates into existing management systems











Opening
LED handle status
Power supply (DC)
Status request
for electronic opening power supply
watertight and dust-tight (IP65)
installable cylinder
Color*
Material
\/andaliana nuaaf

* other colors on request

Opening	"Or"	"And"	"Or"	"And"	
LED handle status	on request	•	_	_	
Power supply (DC)	12 V/24 V/48 V ±10 % 250 mA/140 mA/100 mA	24V ±10%/120mA	48V ±10%/120mA	24 V ±10 %/120 mA	
Status request	Proximity switch (potential-free)	Inductive sensor	Proximity switch (potential-free)	Inductive sensor	
for electronic opening power supply	established	interrupted	established	interrupted	
watertight and dust-tight (IP65)					
installable cylinder	1	1	:	2	
Color*	light grey/black, powder-coated, antigrafitti	black, powder-coated	black, pow	der-coated	
Material	zinc diecast	zinc diecast	zinc c	liecast	
Vandalism-proof					







Optimum protection through links with the control of systems and machines.

- Gapless audit trail
- LED status display on the handle
- Integrates into existing management systems
- Stand-alone or integration in the machine control
- "Or"-Locking



MLI1101

Black plastic (PA6)
single-color LED Ready for opening
Power supply 24 V ± 10 %(DC), 220 mA
Status request: Proximity switch (potential-free)
Plate cylinder
"Or" closing
for electronic opening power supply established





Mechatronic Locks for Universal Applications MLU

Invisible, secure locking for universal applications

- Gapless audit trail
- Versatile solution
- High pull-off force
- Can be combined with mechanical lock solutions
- Integrates into any existing management systems





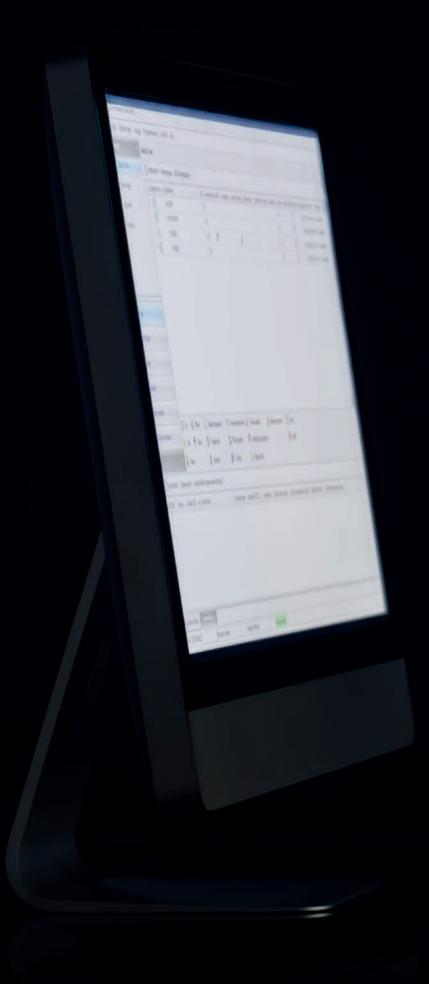


Proximity switch status
For electronic opening voltage supply interrupted or connected
Material: GDZn
Color: mat chrome-plated Power
Supply: 12/24/48 + 10% (DC) with 140/90/50 mA

Interface	
Ethernet Material	
Color	
Power supply (DC)	
Storage space for transponder	
Stand-alone	
LED lock status	
LED sabotage alarm/ready for opening	
Illuminated info field	
Reader 125 kHz	
Reader 13,56 MHz	
Relay output	
Door contact input	
Integrated real-time clock	
rage space for 500 events + 30 time profiles	
Standby current (DC)	
Max. current consumption (DC), RJ 12/Lock	
Max. current consumption (DC), with closing	
Power over Ethernet capable	

	MLU3000	
Ethernet	RS 485	
Pla	stic	
bla		
12/24/48V ±10 % (
2.0	000	
poss	sible	
on re	quest	
401		
1,5		
3 A (terminal 10-11)		
	_	





Mechatronic Locks Management ML

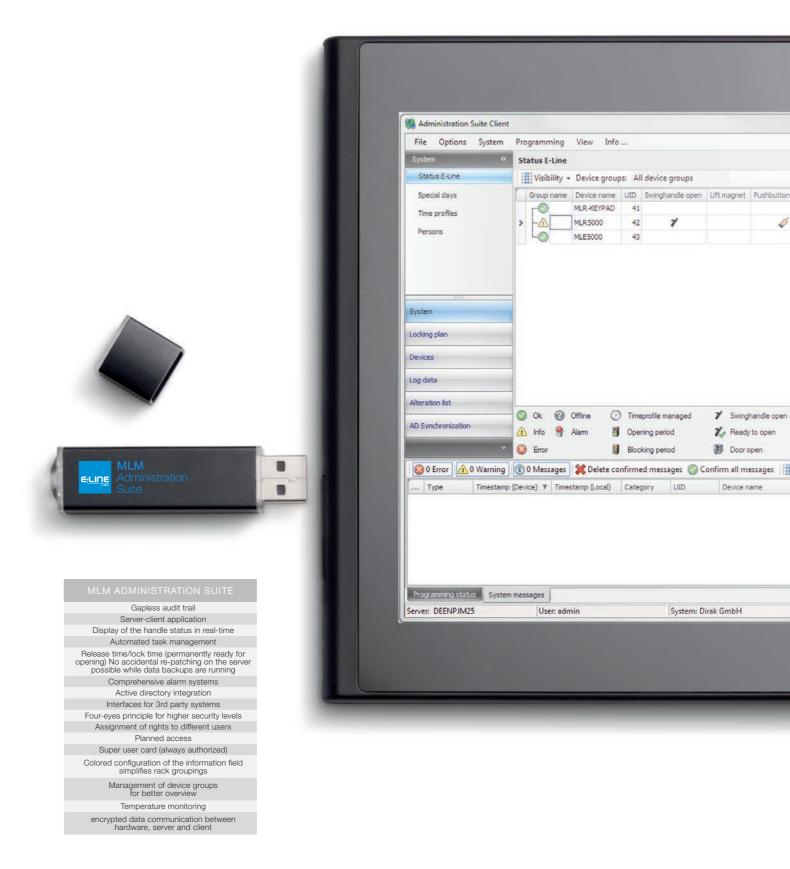
Complete control and monitoring with E-LINE by DIRAK locking solutions.

With the MLM Administration Suite you control the access to enclosures anytime, anywhere. The software provides a gapless audit trail of all events, giving you a complete overview and a good sense of security.

- Intuitive user guide
- Gapless audit trail
- (De)centralized management for authorization

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Mechatronic Locks Management ML M







In the event of a power outage, you can carry out a secure emergency opening procedure on the MLR/MLU3000 and MLR/MLU5000 thanks to the battery pack, without the logging stopping and leading to security gaps.

The battery pack is coupled with the interface of the MLR handle or MLU antennae unit.



The desktop reader allows you to read the transponder codes from the access media. The desktop reader is located in a handy housing and comes with a USB 2.0 cable.



If the door contact is connected to the readers of the MLR3000 and MLR5000 systems, our MLM Suite will also show you the current status of the particular rack door.



Country-specific versions of the power-supply units required for E-LINE by DIRAK systems are available in the versions EU, UK and USA.



Power cables can be ordered optionally.



secure. more...

ELINE Allow yourself to be experienced. inspired. **Experience** Customer Benefits and gain an insight into center, cloud infrastructure, and manathe various challenges of security solutions with E-LINE by DIRAK's customer testimonials. security that is fully rack lev us to stay ahead of the curve in terms of providing assurance for HIPAA compliance to our clients and business partners." MLR

Detailed information on the preconditions and system linking, connection schematics and all hole patterns are **installed** in the technical instructions.

SWITCH



Mechatronic access controls for your industrial enclosure



Questions regarding physical installation?

For more information:
elinebydirak.com/physical-installation



MLR

MLR1000	Offset	610-9507.07-07101
	Rod latch	610-9501.07-07101
	Multi-point cam	610-9539.07-07101
	Rod latch (Rittal)	610-9545.07-07101
MLR1000 (24 V)	Offset	610-9543.00-00000
	Rod latch	610-9544.00-00000
	Multi-point cam	610-9542.00-00000
	Rod latch (Rittal)	610-9546.07-07101
MLR2000 (125 kHz)	Offset	610-9807.00-00125
	Rod latch	610-9801.00-00125
	Multi-point cam	610-9839.00-00125
	Rod latch (Rittal)	610-9845.00-00125
MLR2000 (13,56 MHz)	Offset	610-9807.00-01356
	Rod latch	610-9801.00-01356
	Multi-point cam	610-9839.00-01356
	Rod latch (Rittal)	610-9845.00-01356
MLR3000 (125 kHz)	Offset	610-9707.00-00000
	Rod latch	610-9701.00-00000
	Multi-point cam	610-9739.00-00000
	Rod latch (Rittal)	610-9745.00-00000
MLR3000 (13,65 MHz)	Offset	610-9707.00-11356
	Rod latch	610-9701.00-11356
	Multi-point cam	610-9739.00-11356
	Rod latch (Rittal)	610-9745.00-11356
MLR3000 KP (125 kHz)	Offset	610-9307.00-00000
	Rod latch	610-9301.00-00000
	Multi-point cam	610-9339.00-00000
MLR3000 KP (13,65 MHz)	Offset	610-9307.00-00001
	Rod latch	610-9301.00-00001
	Multi-point cam	610-9339.00-00001
MLR5000 (125 kHz)	Offset	610-9607.00-00000
	Rod latch	610-9601.00-00000
	Multi-point cam	610-9639.00-00000
	Rod latch (Rittal)	610-9645.00-00000
MLR5000 (13,65 MHz)	Offset	610-9607.00-11356
	Rod latch	610-9601.00-11356
	Multi-point cam	610-9639.00-11356
	Rod latch (Rittal)	610-9645.00-11356
MLR5000 KP (125 kHz)	Offset	610-9407.00-00000
	Rod latch	610-9401.00-00000
# BEARS I/D / 40 AE 1	Multi-point cam	610-9439.00-00000
MLR5000 KP (13,65 MHz)	Offset	610-9407.00-00001
	Rod latch	610-9401.00-00001
	Multi-point cam	610-9439.00-00001

MLE

MLE5000 RFID An	tenna + Reader without handle	602-8003.00-05000
MLE1102 (12V)	For outdoor area, black	602-8012.00-00012
MLE1102 (24V)	For outdoor area, black	602-8012.00-00024
MLE1102 (48 V)	For outdoor area, black	602-8012.00-00048
MLE1102 (12V)	For outdoor area, light grey	602-8007.00-00012
MLE1102 (24V)	For outdoor area, light grey	602-8007.00-00024
MLE1102 (48 V)	For outdoor area, light grey	602-8001.00-00000
MLE2100	Outside, single, OR	600-9001.00-00000
MLE1200	Outside, double, OR	600-9004.00-00000
MLF2200	Outside double AND	600-9002 00-00000

MΙ

MLI1101 (24V)	Offset	610-9010.00-0000
	Rod latch	610-9007.00-0000
	Mariti maint ages	610 0000 00 0000

MLU

MLU1000 (12V)		current-free	closed	600-9723.00-00000
MLU1000 (24V)		current-free	closed	600-9724.00-00000
MLU1000 (12V)		current-free	closed	600-9725.00-00000
MLU1000 (48 V)				600-9721.00-00000
MLU1000 (24V)				600-9708.00-00000
MLU1000 (48 V)				600-9722.00-00000
MLU3000 Kit (125 kH	z)	Complete (incl. ML	.U1000)	610-9750.00-00000
MLU3000 Kit (13,56 N	/IHz)	Complete (incl. ML	.U1000)	610-9750.00-01356
MLU3000 (125 kHz)	Antenna +	reader (without ML	.U1000)	610-9750.01-00125
MLU3000 (13,56 MHz	Antenna +	reader (without ML	.U1000)	610-9750.01-01356
MLU5000 Kit (125 kH	z)	Complete (incl. ML	LU1000)	610-9650.00-00000
MLU5000 Kit (13,56 N	/IHz)	Complete (incl. ML	.U1000)	610-9650.00-01356
MLU5000 (125 kHz)	Antenna +	reader (without ML	.U1000)	610-9650.01-00125
MLU5000 (13,56 MHz	Antenna +	reader (without ML	U1000)	610-9650.01-01356

MLM

MLM Administration Suite Software 608-6801.00-0000

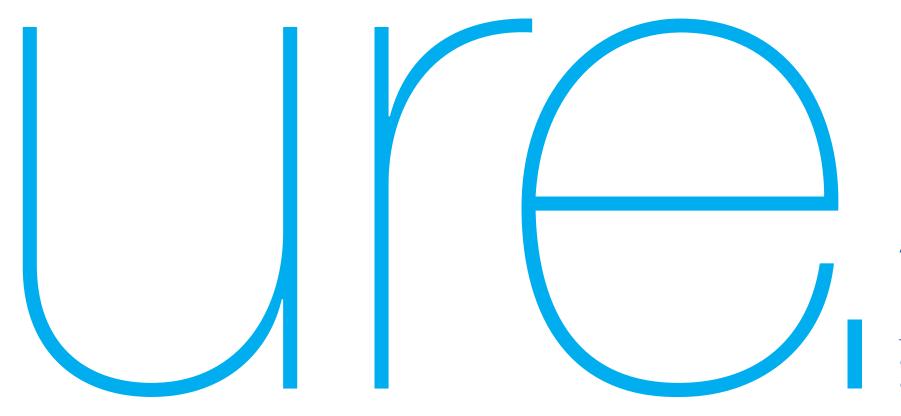
MLA

MLA Gateway	Without power supply	608-9742.00-00000
MLA E-Desktop-Reader (125 kl	Hz, 13,56 MHz)	610-9842.00-00000
MLA HID Card 26 bit "iso Prox	II" White, blank	607-5926.00-00026
	With E-LINE logo	607-5926.00-00001
	Customer logo	On request
MLA Micro Prox 26 bit	Self-adhesive	607-5929.00-00000
MLA Netzwerkkabel CN 2001	3 m	607-5907.00-00000
MLA Y-cable / T-adapter	10 cm	607-5972.00-00000
MLA power supply (12V)	incl. adapter (EU/USA/UK)	610-5903.00-02412
MLA E-LINE door contact	4 m	607-5959.00-00400
MLA E-LINE control cable	3,5 m	607-5947.00-00350
MLA configuration cable	Serial	607-5949.00-00000
MLA Battery Pack (12V)	For MLR handle (EU)	610-9901.00-00001
	For MLR handle (US)	610-9903.00-00001
	For MLR handle (UK)	610-9902.00-00001
MLA power supply (24 V, 1.0 A)	EU,US,UK	610-5905.00-00024
MLA Mifare Desfire ev1 4k (13,	56 MHz) White, blank	610-5926.00-01356
	With E-LINE logo	610-5926.00-00001
	Customer logo	On request
MLA Mifare Tag 1435 (13,56 MF	•	610-5927.00-01356
MLA C13 power supply	Without power unit, 12V	610-5901.00-00C13
	Vithout power unit, 24V, 1A	610-5906.00-00C13
MLA C13 network cable	Without power supply	610-5902.00-00000
MLA General Card (125 kHz)		608-8505.00-00000
MLA Group Card (125 kHz)		608-8504.00-00000
MLA Blocking Card (125 kHz)		608-8503.00-00000
MLA Unblocking Card (125 kHz)	608-8502.00-00000
MLA General Card (13,56 MHz)		608-8505.00-01356
MLA Group Card (13,56 MHz)		608-8504.00-01356
MLA Blocking Card (13,56 MHz	•	608-8503.00-01356
MLA Unblocking Card (13,56 M	•	608-8502.00-01356
MLA torque wrench	Wera 0,3 -1,2 NM Kit	610-1015.00-00000
MLA Sensor Box		610-9006.00-00000



◆ Product numbers

SECURE eline@dirak.de elinebydirak.com



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