

## GAT SMART.Lock 70x1

Centrally Operated Locker Lock

### FACTS AT A GLANCE

- Central or remote opening of the locker door
- Automatic locking by manually closing the door
- Mounting possible in the locker partition wall or inside the locker
- Simple installation
- Min. 80,000 closing/opening cycles
- Min. 2000 N locking force
- Metal construction throughout (zinc die casting)
- Locking components made of MIM 316L stainless steel
- Electrical feedback for locking status
- 4-pin plug for electrical connection
- Assembly lock and mechanical emergency opening

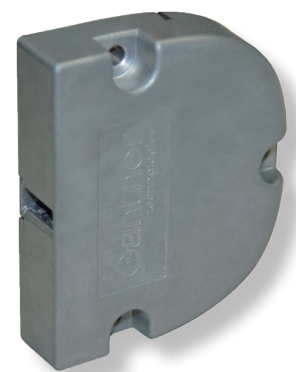


The GAT SMART.Lock 70x1 locker lock is the ideal solution for the convenient electronic locking of various lockers in a wide range of industrial, logistical, organizational, and educational applications.

The GAT SMART.Lock 70x1 is suitable for any type of material (wood, HPL, solid plastic, glass, sheet metal) and can be used for left- and right-hinged doors alike. The narrow design also enables its installation in the partition wall of the locker.

Different solutions allow the selective opening of lockers, e.g., via a software application on a central server, using a GAT NET.Controller M 7020 main controller, or with a GT7 Central Locker central reader where the users identify themselves with their RFID (Radio Frequency Identification) data carriers.

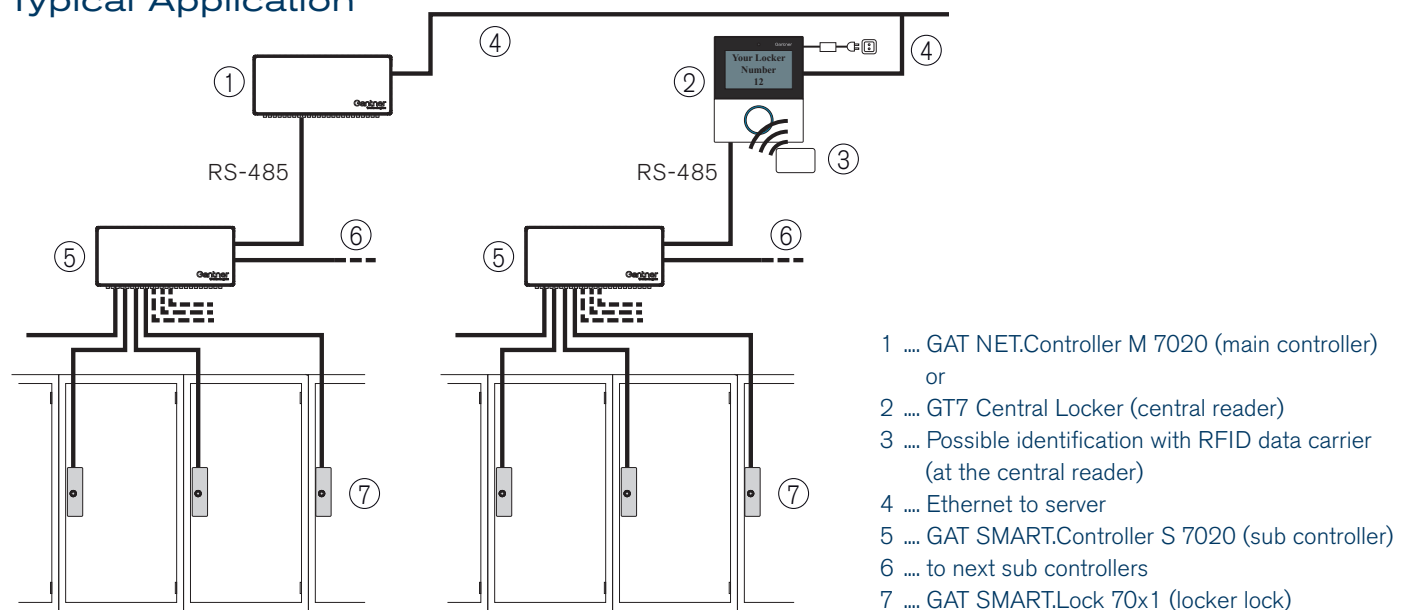
The GAT SMART.Lock 70x1 supports different locker modes such as free locker selection or personal lockers. In order to lock a locker, the user selects a free locker or one of the assigned lockers at the central reader and then goes to the locker and closes the locker door. The GAT SMART.Lock 70x1 locks the locker when the correct locker door is pressed. Opening a locker is also done at the GT7 Central Locker. To do this, the user identifies themselves at the central reader and selects the locker to be opened. This is unlocked by the GAT SMART.Lock 70x1 after the configured unlocking time expires.



## Order Information &amp; Accessories

Description	Part No.
<b>GAT SMART.Lock 7001</b>	369737
<b>GAT SMART.Lock 7011</b> with mechanical emergency opening	1106919
Self-locking electronic locker lock with integrated electronic door open status, without bolt set and without door label, plug connection.	
<b>GAT SMART.Lock 7001 Bolt Set</b>	1100400
Door and distance sheet and door shackle for GAT SMART.Lock 70x1.	
<b>GAT SMART.Controller S 7020</b>	1101689
Control unit (sub controller) for up to 24 GAT SMART.Lock 70x1 electronic locker locks.	
<b>GAT NET.Controller M 7020</b>	1100399
<b>GAT NET.Controller M 7020 Light</b>	1100398
Main controller for connecting up to 8 sub controllers to a server/PC (Light = 3 sub controllers).	
<b>GC7.2000 M</b>	1103558
<b>GC7.2000 M lite</b>	1103559
Main controller for connecting up to 8 sub controllers to a server/PC (Light = 3 sub controllers).	
<b>GT7.3300</b>	1100596
<b>GT7.3500</b>	919229
<b>+ G7 Device License points Central Locker</b>	1103831
Central reader with touchscreen to connect the sub controllers and to control the lockers on-site.	
<b>GAT NET.Power Supply 7020-1 100-240V / VI</b>	1104784
Power supply for the sub and main controllers. Output: 24 V DC / 1.66 A LPS.	
<b>Power Cord 2m EU CH - IEC 60320 C7</b>	494181
<b>Power Cord 2m UK - IEC 60320 C7</b>	494282
<b>Power Cord 2m AUS - IEC 60320 C7</b>	511474
<b>Power Cord 2m USA - IEC 60320 C7</b>	636835
<b>Power Cord 2m IND - IEC 60320 C7</b>	636734
2 m mains power cord for GAT NET.Power Supply 7020-1 100-240V/VI for different socket systems.	
<b>GAT NET.Lock Cable 5m</b>	734430
5 m connection cable to connect the GAT SMART.Lock 70x1 to the sub controller, 4-pin plug and open end.	
<b>GAT NET.Lock Cable Extension 3m</b>	810021
3 m extension cable for the GAT NET.Lock Cable 5m.	

## Typical Application

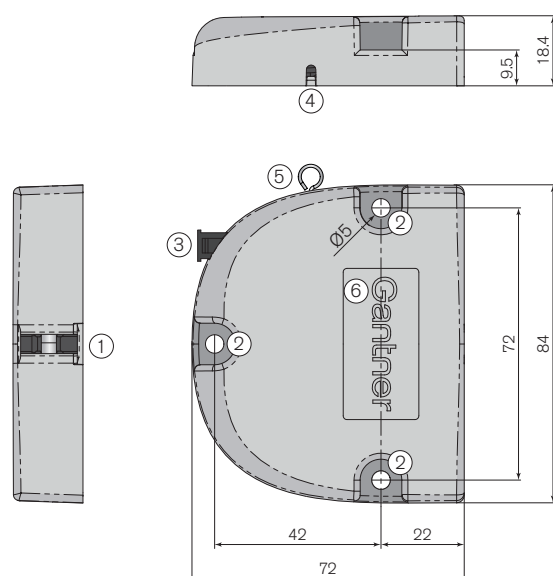


## Technical Data

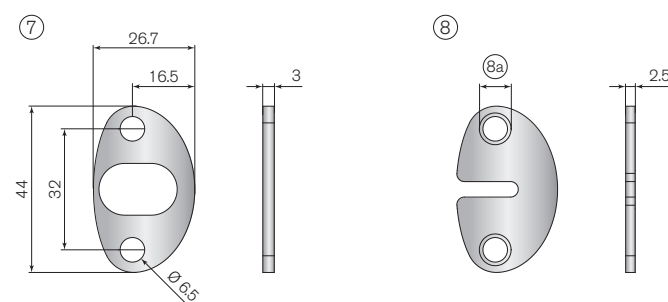
Nominal voltage:	DC 24 V
Permitted input voltage:	DC 19 to 28 V ( $\pm 20\%$ )
Current consumption of the coil:	1 A @ 24 V
Activation time:	max. 500 ms / 10% duty cycle
Perm. switching current (contact):	1 mA
Std. switching current (contact):	max. 0.1 A
Locking/opening cycles:	mind. 80,000
Retaining force:	min. 2,000 N
Force on inner side of the door (middle):	max. 50 N
Housing material:	Zinc die casting
Housing colour:	Gray
Door shackle material:	MIM 316L
Door width:	mind. 230 mm
Installation position:	Arbitrary
Connection:	Socket (MOLEX, type Micro-Fit 3.0™ No. 043020-0401)
Weight:	approx. 0.2 kg
Permitted ambient temperature:	-30 to +60 °C
Storage temperature:	-30 to +70 °C
Protective type:	IP 52
Protective class:	III
Environment class based on VdS 2110:	II (conditions in indoor areas)
Compliance:	CE, FCC, IC

## Device Features and Dimensions

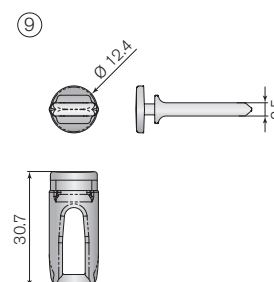
GAT SMART.Lock 70x1



Door Plates



Door Shackle



- 1 .....Opening for door shackle
- 2 .....Mounting hole
- 3 .....Connection plug
- 4 .....Mounting lock and emergency opening
- 5 .....Emergency opening release actuator  
(only for GAT SMART.Lock 7011)
- 6 .....Recess for client-specific label
- 7 .....Door plate
- 8 .....Distance plate
- 8a ...8.4 x 90° counterbore
- 9 .....Door shackle

All measurements in mm