

Technical documentation

Dial Lock 58 Free code



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Technical documentation

Dial Lock 58 Free code



Document-No.
05031362_0530_101

Product information

| | |
|---------------------------------|---|
| Product type | Dial Lock A58 – Free code |
| Finish | Available for different furniture and locker applications (see page 3) |
| Material thickness | Wood 16-18mm and 18-21mm – Steel/Glass 0.8-3mm and 3-6mm – with quick fixing clips 0.7-1.3mm |
| Coding | Free code (Public use, changing users) Up to 10.000 codes available for programming Automatic scramble function (dials turn to '0-0-0-0' when the lock is opened or closed) Red semi circled indicator for closed position |
| Environmental conditions | For indoor use, not suitable for outdoor use. Temperature +5°C up to +40°C at 30% to 80% relative air humidity, does not condense |
| Emergency opening | Z0001 to Z0005 (other combinations on request) |
| Carried out tests | Pull force resistance 350N for cam up from 2.5 mm, durability test: 20.000 cycles as per DIN EN 16014 Salt spray test DIN EN ISO 9227 (24h) |
| Comply with | RoHS / REACH / GefStoffV, Appendix IV Nr. 28 PAK |
| Tested as per | DIN EN 16014, paragraph 4, 5 and 6 Edition October 2011 |

Description of function

- The Dial Lock 58 FREECODE is a furniture / locker lock, which can be secured by a freely programmable personal 4 digit code. Before the lock is closed a personal code has to be set. With this code it is possible to open the lock one time. Once opened the lock is automatically reset to 0-0-0-0 and a new code has to be used.
- During locking and unlocking (turning the knob) the code will be scrambled automatically in order to increase safety.
- By turning the knob 180° a cam will be turned and catch behind a striker plate. The dial lock is automatically locked now (without having to scramble the code manually), the knob is blocked and can't be turned to open the lock.
In order to open the lock please use the 4 digit code which has been set before. The knob can then be turned again to open the lock.
- In case the code is forgotten or the lock has to be opened without knowing the code for any other reason, the emergency key could be used to override the personal code. If necessary the lock could be reset to 0-0-0-0.

Instruction manual

- The instruction manual is supplied with the product.
- Or you can find the instruction manual in the attachment of this document (page 8-11)
- Or on our homepage www.lehmann-locks.com/en/numerical-code-systems.html (see QR-Code right hand)



Scope of application

Conventional use

The Dial Lock is used as a comfortable locking system for office and residential furniture. It prevents third, unauthorized parties from direct access to personal valuables and / or documents. Climate conditions are limited to dry and closed rooms. Please avoid ingress of moisture or increased air humidity. (see „environmental conditions“)

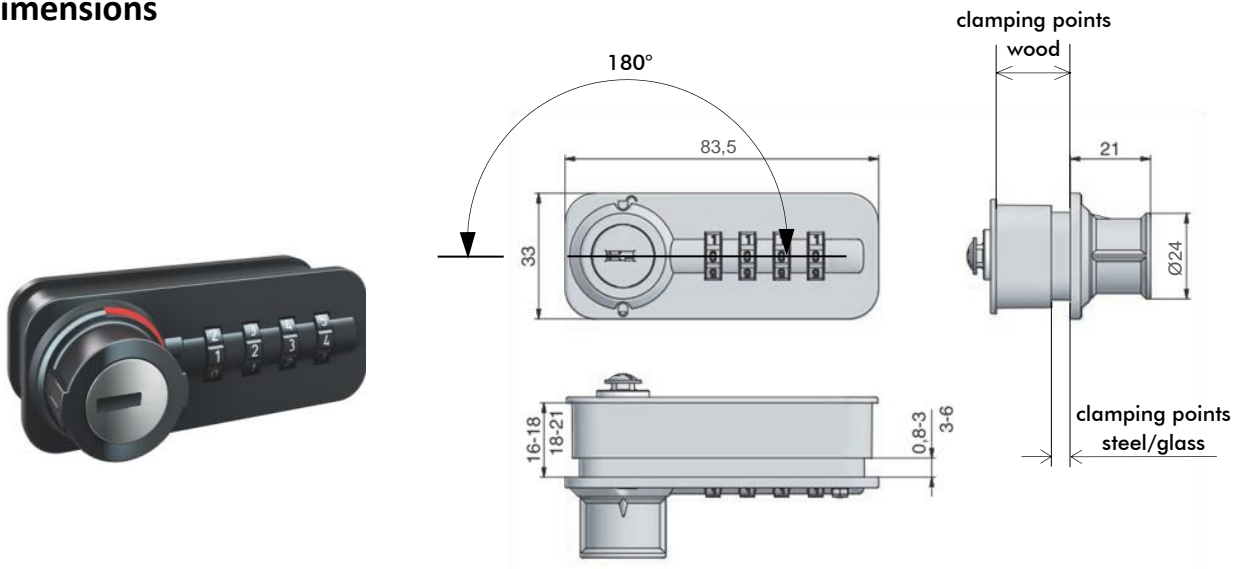
Use only after consultation of the manufacturer

Please contact the manufacturer in advance in case of unconventional use, e.g. application in heightened humidity and/or heightened temperature environments like indoor swimming pools and sauna areas, areas of heightened dust emissions, non-furniture applications, etc.

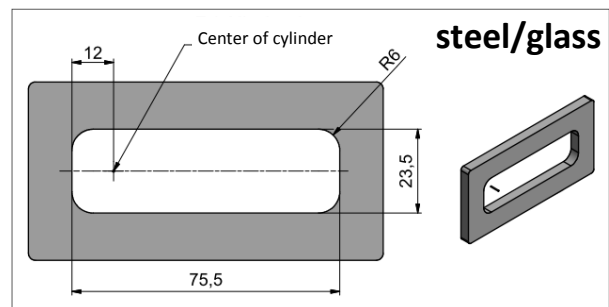
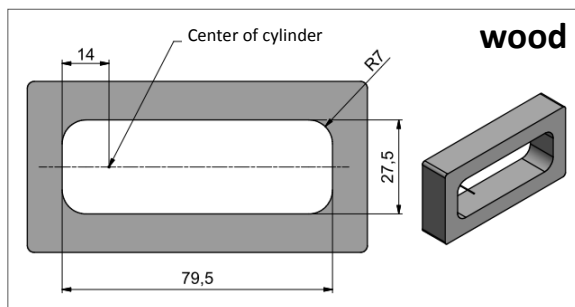
Prohibited use

Following uses are not allowed: weapons cabinets, cabinets for hazardous or chemical substances, cabinets for ammunition, use in outdoor areas, safety of objects for which insurances require special security measures, applications which require a security level according to EN 1143-1 and/or VDMA 24992, as well as all uses which deviate from normal use and for which the manufacturer does not give an approval.

Dimensions



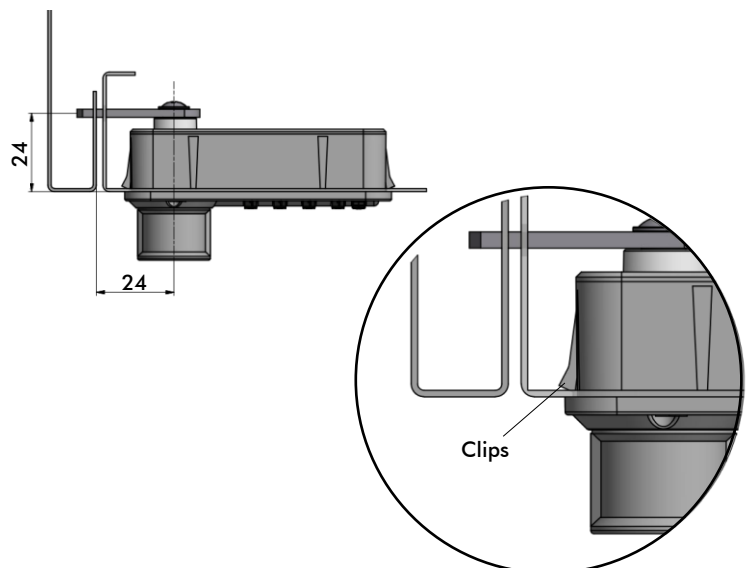
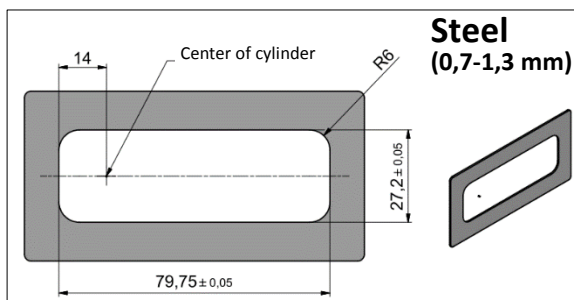
Milling groove / stamping configuration



Stamping configuration for Dial Lock with click fix back cover



It is possible to use the Dial Lock (exception 58.03/58.04/58.06) with a click fix back cover in order to reduce the installation time.

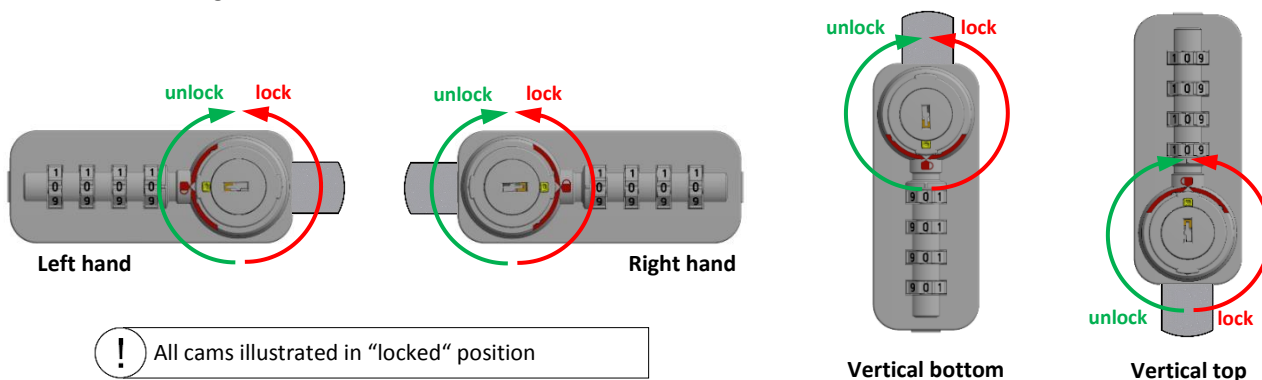
! The click fix back cover is suitable for steel doors with material thickness of 0,7mm – 1,3mm



Rotation direction



The dial lock is available in right, left and vertical version. Please take into account that the rotation direction of the knob remains unchanged irrespective of the application.

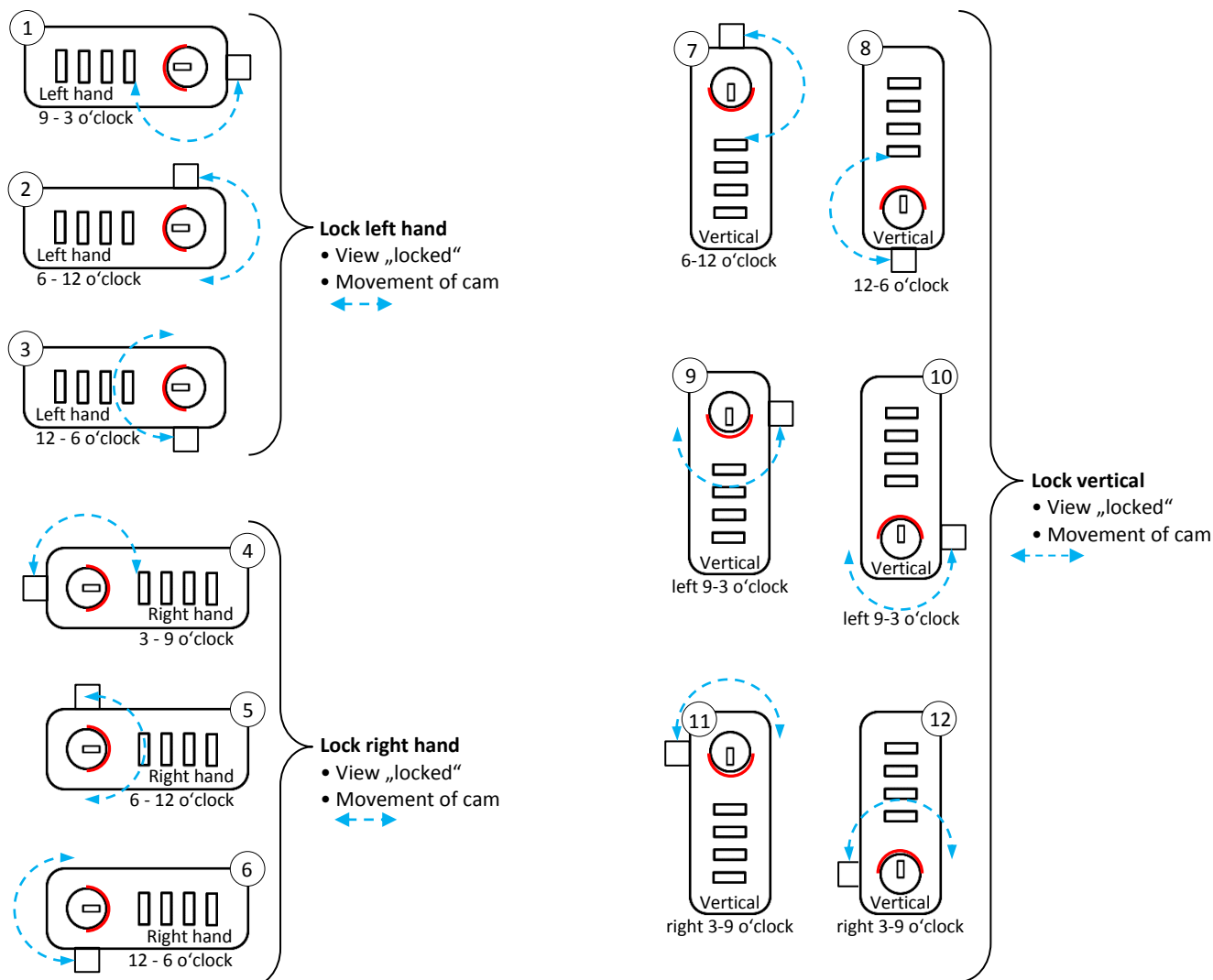
Rotation direction left =  lock
Rotation direction right =  unlock



Assembly of cam for dial lock 58.01 (dial lock variants see page 7)

Please assemble cam 477, 460 or 2-027 according to application. (range of cams see page 6)

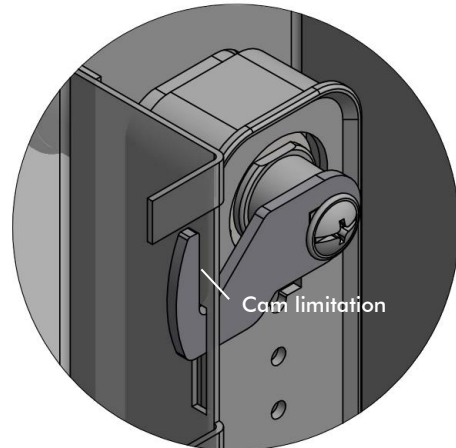
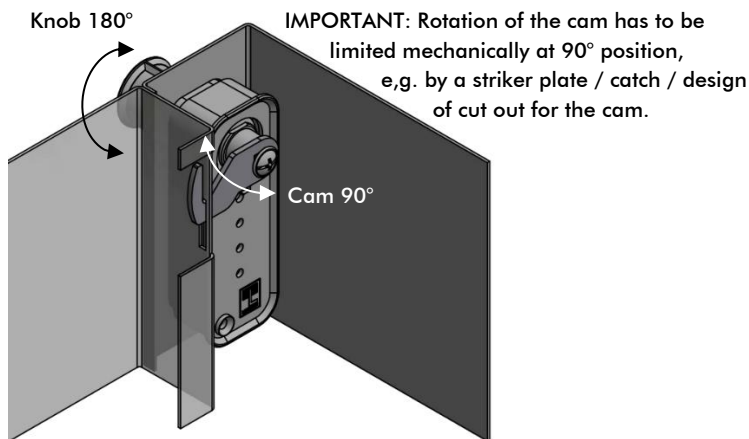
1. Choose your application from ① to ⑫
2. Turn the knob in „locked“ position  and/or 
3. Position the cam as shown below



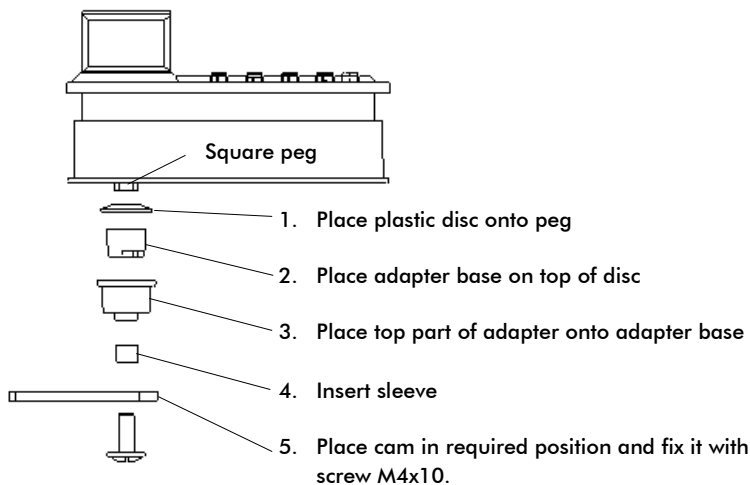
90° cam rotation adapter (optional)

Design / space constraints may impede full 180° cam rotation in certain applications. An additional adapter could allow the knob to be turned 180° while cam movement is mechanically limited to 90° (free-wheeling of the knob the remaining way till 180° locked position).

Basic principle



Assembly of components

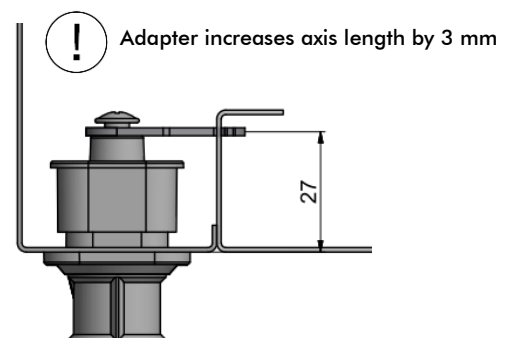
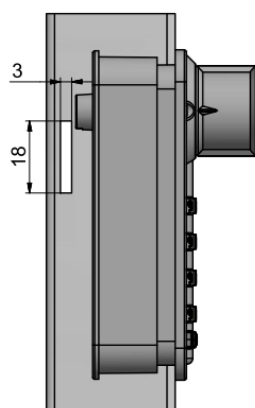
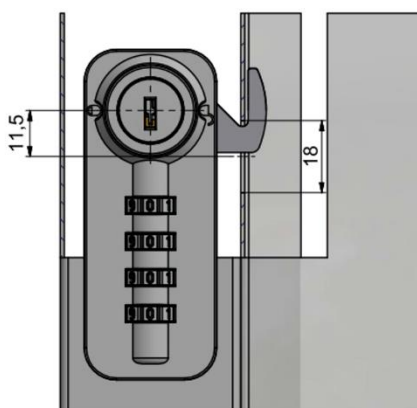


Correct position of the cam

- Turn knob into „closed“ position
- Place cam and test movement by turning knob till final open position
- If not correct take off, adjust position of the cam and test again. Repeating procedure till lock is working correctly.

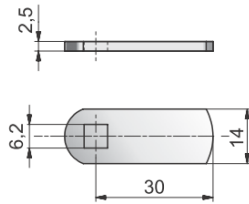


Assembly dimensions (2-027)

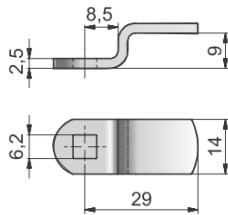


List of cams (further cam versions on request)

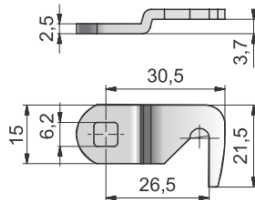
Cam 477



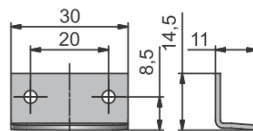
Cam 460



Cam 2-027



Striker plate
3011



Spacer

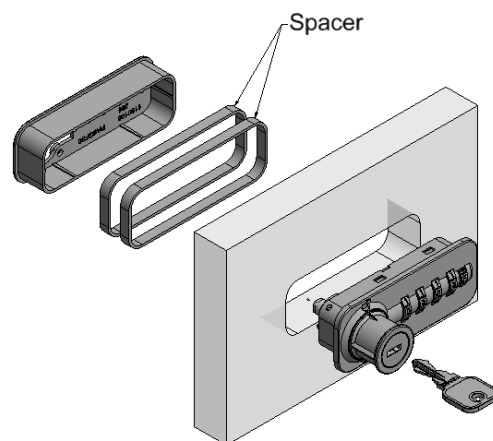
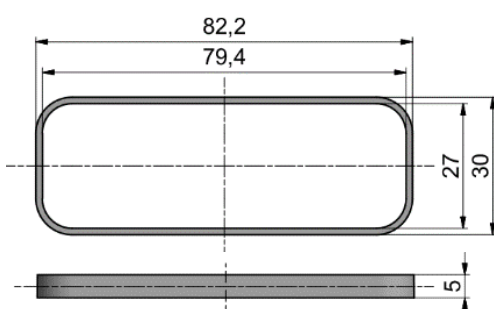
The spacer compensates different thickness of doors. Select on the basis of following chart:

a) Quantity of required spacer. (No, 1 oder 2)

b) the version of Dial Lock-Sets (see also catalogue DIAL LOCK. Otherwise scan the adjoining QR-Code.


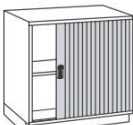


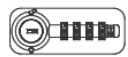
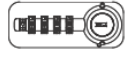





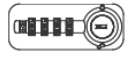

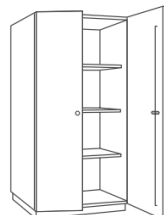


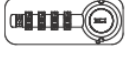


| Thickness | a) Spacer | b) Dial Lock Set |
|-----------|-----------|------------------|
| 0,8-3mm | No | 0,8-3mm |
| 3-6mm | No | 3-6mm |
| 6-8mm | 2 pieces | 16-18mm |
| 8-11mm | 2 pieces | 18-21mm |
| 11-13mm | 1 piece | 16-18mm |
| 13-16mm | 1 piece | 18-21mm |
| 16-18mm | No | 16-18mm |
| 18-21mm | No | 18-21mm |



(05031446A0530_040 OR)

Versions (special finishes on request)

| Dial Lock | Locking type | Application | Lock orientation |
|-----------|-------------------|--|---|
| 58.01 | Tambour lock |     <p>Cam – free run 90° optional</p> |    |
| 58.04 | Slam lock |    |    |
| 58.08 | Espagnolette lock |   |   |

Use and care

- Before beginning of operation please read the instruction manual carefully. It is attached to the product.
 Alternatively you can download the instruction manual from our homepage, free of charge:
www.lehmann-locks.com/en/downloads-95.html
- Protect the Dial Lock against moisture, water and dust.
- Do not use lubricant.
- Avoid that objects inside the shelf block the lock.
- Please clean the Dial Lock only outside and only with a slightly moistened cloth. Do not use aggressive cleaning agents or chemicals.

Note



In general the use of our lock and locking systems in combination with additional mechanisms is possible. But in individual cases the compatibility has to be checked by the fabricator. We do not take responsibility for damages due to incompatibility.

Disposal



The product does not contain dangerous substances which need a special disposal. Please dispose the product in your domestic waste at the end of its life cycle.

Flame retardant and plasticiser

| Flame retardant | Free of flame retardants | |
|------------------|---|--|
| Phthalate | Free of following phthalates: <ul style="list-style-type: none"> • Di-n-butyl phthalate - CAS 84-74-2 • Di-isobutyl phthalate - CAS 84-69-5 • Di-n-pentyl phthalate - CAS 131-18-0 • Butyl benzyl phthalate - CAS 85-68-7 • Di-n-hexyl phthalate - CAS 84-75-3 • Di(2-ethylhexyl) phthalate - CAS 117-81-7 • Diisopentylphthalate - CAS 605-50-5 • Bis(2-methoxyethyl) phthalate - CAS 117-82-8 | <ul style="list-style-type: none"> • 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate - CAS 68648-93-1 • 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters CAS 68515-51-5 • 1,2-Benzenedicarboxylic acid; di-C6-8-branched alkylesters, C7-rich - CAS 71888-89-6 • Heptyl undecyl phthalate - CAS 68515-42-4 |

The absence of such substances has not been verified by analysis or tests and is declared based on the information available to us from our raw material suppliers. The info we receive from our suppliers is info which they are legally obliged to share with their downstream users. It can therefore not be excluded that trace levels of these substances may be unintentionally present (amongst others because they may be ubiquitous in the environment) or may result from the specific characteristics of the raw materials or the manufacturing process. It is the responsibility of the recipient of our products to ensure that any local applicable rules and legislation are observed.

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Appendix

Brief instruction Dial Lock 58



Dial Lock 58 (Free-Code)



8228_DialLock 58 mit 2017/07/13 (publ.)

D Bedienungsanleitung / E Instrucciones abreviadas

| Inhalt / Contenido | Seite / Página |
|--|----------------|
| Übersicht: Schließzustand / Descripción general: estado de cierre | 1 |
| Öffnen und Schließen / Abrir y cerrar | 2 |
| Notöffnung ohne Reset des Codes / Apertura de emergencia sin reset del código | 3 |
| Notöffnung mit Reset des Codes / Apertura de emergencia con reset del código | 4 |

Hinweis / Nota:

- Störte Verschmutzung vermeiden. Zur Reinigung und Pflege ein leicht feuchtes Tuch verwenden.
- Hohe Temperaturen, starke Vibrationen oder hohe Feuchtigkeit können dem Produkt schaden.
- Zerstörungen oder Schäden ausgleichen (z.B. 5-5-5) oder nur einer vernünftigen (z.B. 0-0-0-1) über einen einstellbaren Zustand.
- Exter. Inzidentia. Utilizar un paño ligeramente húmedo para la limpieza y el mantenimiento.
- Altas temperaturas, fuertes vibraciones o elevada humedad pueden dañar el producto.
- Averías o daños de números iguales (p. ej. 5-5-5) o variando solo un número (p. ej. 0-0-0-1) por código integrado.

GB Operating instructions / CN 快速入门指南

| Contents / 目录 | Page / 页码 |
|--|-----------|
| Overview of lock status / 锁的状态 | 1 |
| Locking and unlocking / 打开和关闭 | 2 |
| Emergency opening without code reset / 不重设密码情况下应急开启 | 3 |
| Emergency opening with code reset / 重设密码情况下应急开启 | 4 |

Note / 提示:

- Avoid severe contamination. Use a slightly damp cloth for cleaning and care.
- High temperatures, strong vibrations or high humidity can damage the product.
- Codes composed of the same numbers (e.g. 5-5-5) or with only one digit changed (e.g. 0-0-0-1) are not secure!
- 避免严重污染。请勿使用潮湿抹布清洁和保养。
- 高温、强振动或高湿度会损坏产品。
- 数字组合相同 (例如: 5-5-5-5) 或仅一位数字不同 (例如: 0-0-0-1) 代表不安全组合。

F Notice simplifiée / J クイックガイド

| Sommaire / 目次 | Page / ページ |
|---|------------|
| Aperçu de l'état de la serrure / ノブの状態一覧 | 1 |
| Ouverture et fermeture / ロックとロック解除 | 2 |
| Ouverture d'urgence sans réinitialisation du code / 暗証番号をリセットせずに非常解放 | 3 |
| Ouverture d'urgence avec réinitialisation du code / 暗証番号をリセットして非常解放 | 4 |

Remarque / 注意:

- Éviter l'encrassement du dispositif pour le nettoyage et l'entretien, utiliser un chiffon légèrement humide.
- Des températures élevées, de fortes vibrations ou un taux d'humidité élevé peuvent endommager le produit.
- Les combinaisons composées d'un seul et même chiffre (p. ex. 5-5-5) et les codes se différenciant par un seul chiffre (p. ex. 0-0-0-1) présentent des risques de sécurité.
- ひどく汚れることがないよう、清掃・お手入れには、わずかに湿らせた布をこ使ってください。
- 高温・強い振動・高湿度は製品を損傷することがあります。
- 同じ数字の組合せ (例: 5-5-5-5) または、ただひとつの数字を変えた数字 (例: 0-0-0-1) では、セキュリティリスクが高まります。

DIAL LOCK 58 (FREE-CODE)

ÜBERSICHT: SCHLIESSZUSTAND / DESCRIPCIÓN GENERAL: ESTADO DE CIERRE



Position: offen,
Programmierung immer in geöffneten Position starten
Posición: abierta
La programación siempre se inicia en la posición abierta.

Position: verschlossen
Posición: cerrada

OVERVIEW OF LOCK STATUS / 锁的状态

Unlocked position
When setting a code, always start with lock in unlocked state.
解锁状态
在设置密码的时候, 密码键需要在开锁的状态。

Locked position
上锁状态


APERÇU DE L'ÉTAT DE LA SERRURE / ノブの状態一覧

Position : ouverte
La programmation doit toujours débiter en position ouverte
ロック解除の状態
暗証番号を設定する際は、ロック解除の状態であることを確認してください。


Position : fermée
ロック状態

②
③


ÖFFNEN UND SCHLIESSEN /
ABRIR Y CERRAR
















②
③

ÖFFNEN UND UNLOCKING /
打开和关闭

















②
③

OUVERTURE ET FERMETURE /
ロックとロック解除
















Alle Ziffern auf „0“ Schloss ist offen.
Todas las ruedas están en „0“ y la
cerradura está abierta.

Alle digits set to „0“, lock is open.
所有数字是 „0“, 锁开。

Lorsque tous les chiffres sont réglés sur « 0
», la serrure est ouverte.
初期状態では数字はすべて「0」に設定され
ており、鍵は開いています。

Persönlichen Code einstellen.
Programar el código personal.

Set your personal code.
设置个人密码。

Régler un code personnel.
暗証番号を設定します。

Schloss verschließen.
Code wird automatisch verwischt.
Cerrar la cerradura. Las ruedas se ponen en
„0“ automáticamente.

Close the lock.
Code is automatically scrambled.
闭锁。
自动让代码消失。

Fermer la serrure.
Le code est automatiquement brouillé.
鍵をロックします。
暗証番号は自動的に暗号化されます。

Persönlichen Code einstellen.
Introducir el código personal.

Set your personal code.
设置个人代码。

Régler un code personnel.
暗証番号を設定します。

Schloss öffnen.
Code wird automatisch verwischt.
Abrir la cerradura.
El código se borra automáticamente.

Open the lock.
Code is automatically scrambled.
开锁。
密码自动消失。

Ouvrir la serrure.
Le code est automatiquement brouillé.
鍵のロックを解除します。
暗証番号は自動的に暗号化されます。

Schloss ist für den nächsten Nutzer frei.
La cerradura queda libre para el siguiente
usuario.

A new code can be set by the next user.
锁可用于下一个用户。

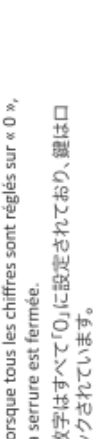







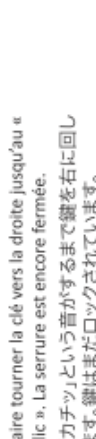
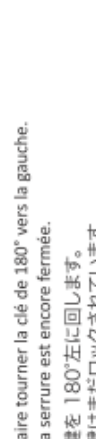

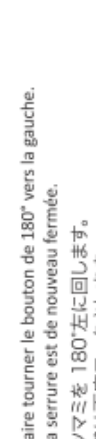
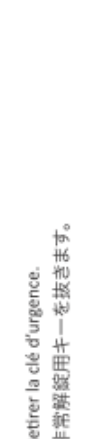
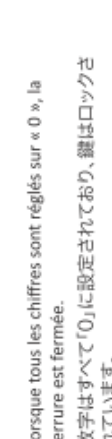
La serrure est prête pour l'utilisateur suivant.
暗証番号を次の使用者が設定して、鍵を使用でき
るようになります。















2

27.11.2017 | Dial Lock 58 | 530_05031362A0530_101_2_GB.docx

Technical details subject to modifications

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| <p>⑥ DIAL LOCK 58 (FREE-CODE)</p> <p>⑦ ? ? ? ? ? →</p> | <p>③ NOTÖFFNUNG OHNE RESET DES CODES / ④ APERTURA DE EMERGENCIA SIN RESET DEL CÓDIGO</p> | <p>⑤ EMERGENCY OPENING WITHOUT CODE RESET / ⑥ 不重设密码情况下应急开启</p> | <p>⑦ OUVERTURE D'URGENCE SANS RÉINITIALISATION DU CODE / ⑧ 紧急号码重置前非正常解锁</p> |
|---|--|--|--|
|  | <p>Alle Ziffern auf „0“, Schloss ist geschlossen. Todas las ruedas están en „0“ y la cerradura está cerrada.</p> | <p>All digits set to "0", lock is closed. 所有数字是 "0", 锁关。</p> | <p>Lorsque tous les chiffres sont réglés sur « 0 », la serrure est fermée. 数字はすべて「0」に設定されており、鍵はロックされています。</p> |
|  | <p>Notschlüssel einstecken.  Erhältlich bei der Gebäudeverwaltung. Introducir la llave de emergencia.  La llave está disponible en la administración del edificio.</p> | <p>Insert the emergency key.  Available from the building management. 插入应急钥匙。  在大楼管理处获得。</p> | <p>Insérer la clé d'urgence.  Auprès du régisseur de l'immeuble. 非常解锁用キーを挿入します。 </p> |
|  | <p>Schlüssel nach rechts bis zum „Klick“ drehen. Schloss ist noch geschlossen. Girar la llave hacia la derecha hasta que suene un „clic“. La cerradura aún está cerrada.</p> | <p>Turn the key to the right until you hear a "click". Lock is still closed. 将钥匙向右旋转至听到“咔嚓”。锁仍关闭。</p> | <p>Faire tourner la clé vers la droite jusqu'au « clic ». La serrure est encore fermée. 「カチツ」という音がするまで鍵を右に回します。鍵はまだロックされています。</p> |
|  | <p>Schlüssel 180° nach links drehen. Schloss ist noch geschlossen. Girar la llave 180° hacia la izquierda. La cerradura aún está cerrada.</p> | <p>Turn the key 180° to the left. Lock is still closed. 向左旋转钥匙 180°。 锁仍关闭。</p> | <p>Faire tourner la clé de 180° vers la gauche. La serrure est encore fermée. 鍵を 180°左に回します。 鍵はまだロックされています。</p> |
|  | <p>Knopf nach rechts bis zum Anschlag drehen. Schloss ist offen. Girar el pomo hacia la derecha hasta el la posición final. La cerradura se abre.</p> | <p>Turn the knob to the right as far as it will go. The lock is open. 将旋钮向右旋转至止动。 锁开。</p> | <p>Faire tourner le bouton vers la droite jusqu'en butée. La serrure est ouverte. 回らなくなるまでツマミを右に回します。 鍵が開きます。</p> |
|  | <p>Knopf 180° nach links drehen. Schloss ist wieder geschlossen. Girar el pomo 180° hacia la izquierda. La cerradura se cierra de nuevo.</p> | <p>Turn the knob 180° to the left. Lock is closed again. 向左旋转旋钮 180°。 锁重新关闭。</p> | <p>Faire tourner le bouton de 180° vers la gauche. La serrure est de nouveau fermée. ツマミを 180°左に回します。 鍵は再度ロックされます。</p> |
|  | <p>Notschlüssel abziehen. Retirar la llave de emergencia.</p> | <p>Remove the emergency key. 拔出应急钥匙。</p> | <p>Retirer la clé d'urgence. 非常解锁用キーを抜きます。</p> |
|  | <p>Alle Ziffern auf „0“, Schloss ist geschlossen. Todas las ruedas están en „0“ y la cerradura está cerrada.</p> | <p>All digits set to "0", lock is closed. 所有数字是 "0", 锁关。</p> | <p>Lorsque tous les chiffres sont réglés sur « 0 », la serrure est fermée. 数字はすべて「0」に設定されており、鍵はロックされています。</p> |

| <p>DIAL LOCK 58 (FREE-CODE)</p> <p>⑥ NOTÖFFNUNG MIT RESET DES CODES / ⑦ APERTURA DE EMERGENCIA CON RESET DEL CÓDIGO</p> <p>⑥ EMERGENCY OPENING WITH CODE RESET / ⑦ 重设密码情况下应急开启</p> <p>⑥ OUVERTURE D'URGENCE AVEC RÉINITIALISATION DU CODE / ⑦ 暗証番号のリセットして非常解錠</p> | <p>Alle Ziffern auf „0“, Schloss ist geschlossen. Todas las ruedas están en „0“ y la cerradura está cerrada.</p> <p>Notschlüssel einstecken.  Erhältlich bei der Gebäudeverwaltung. Introducir la llave de emergencia.  disponible en la administración del edificio.</p> <p>Schlüssel nach rechts bis zum „Klick“ drehen. Schloss ist noch geschlossen. Girar la llave hacia la derecha hasta que suene un „click“. La cerradura aún está cerrada.</p> <p>Nacheinander die Zahlenräder 1 - 4 vom Knopf aus mindestens 360° drehen. Empezando del lado del pomo gire las ruedas numéricas 1 - 4 sucesivamente por lo menos 360°.</p> <p>Schlüssel 180° nach links drehen. Schloss ist noch geschlossen. Girar la llave 180° hacia la izquierda. La cerradura aún está cerrada.</p> <p>Knopf nach rechts bis zum Anschlag drehen. Schloss ist offen. Girar el pomo hacia la derecha hasta el la posición final. La cerradura se abre.</p> <p>Notschlüssel abziehen. Retirar la llave de emergencia.</p> <p>Zugangs-Code wurde gelöscht. Das Schloss kann wieder programmiert werden. El código de acceso ha quedado borrado. Ahora ya se puede volver a programar la cerradura.</p> | <p>All digits set to „0“, lock is closed. 所有数字是 „0“, 锁关。</p> <p>Insert the emergency key.  Available from the building management. 插入应急钥匙。  在大楼管理处获得。</p> <p>Turn the key to the right until you hear a „click“. Lock is still locked. 将钥匙向右旋转至听到“咔嗒”。锁仍关闭。</p> <p>Turn the dials 1 - 4 one after the other 360° starting from the knob. 依次将 1-4 位拨号轮从头部旋转至少 360°</p> <p>Turn the key 180° to the left. Lock is still locked. 向左旋转钥匙 180°。 锁仍关闭。</p> <p>Turn the knob to the right as far as it will go. The lock is open. 将旋钮向右旋转至止动。 锁开。</p> <p>Remove the emergency key. 拔出应急钥匙。</p> <p>Access code was erased. The lock can be programmed again. 原访问密码已删除。 可以重新对锁进行编程。</p> | <p>Lorsque tous les chiffres sont réglés sur « 0 », la serrure est fermée. 数字はすべて「0」に設定されており、鍵はロックされています。</p> <p>Insérer la clé d'urgence.  Elle est disponible auprès de l'administration de l'immeuble. 非常解錠用キーを挿入します。  在大楼管理处获得。</p> <p>Faire tourner la clé vers la droite jusqu'au « clic ». La serrure est encore fermée. 「カチツ」という音がするまで鍵を右に回します。鍵はまだロックされています。</p> <p>En commençant par le 1er chiffre situé juste à côté du bouton faire tourner les 4 chiffres un par un d'au moins 360° ツマミ側から数字ダイヤルをひとつずつ回します。</p> <p>Faire tourner la clé de 180° vers la gauche. La serrure est encore fermée. 鍵を 180° 左に回します。 鍵はまだロックされています。</p> <p>Faire tourner le bouton vers la droite jusqu'en butée. La serrure est ouverte. 回らなくなるまでツマミを右に回します。 鍵が開きます。</p> <p>Retirer la clé d'urgence. 非常解錠用キーを抜きます。</p> <p>Le code d'accès a été effacé. La serrure peut de nouveau être programmée. 暗証番号は初期化されました。 鍵は再び設定可能となります。</p> | | | | |
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