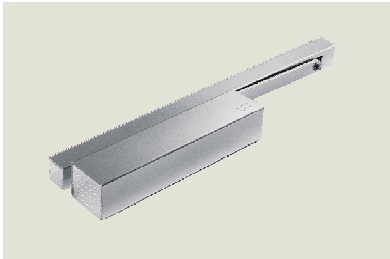


Electrified Door Hardware

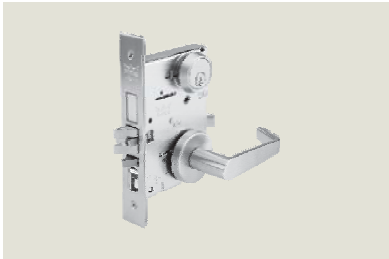




Table of contents



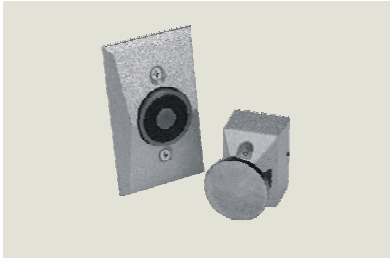
04 Door closer



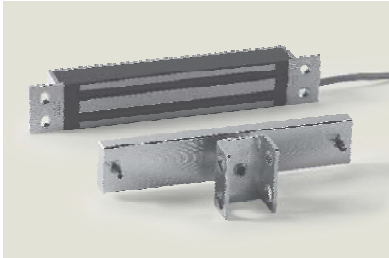
05 Mortise Locks



06 Anti Panic Locks



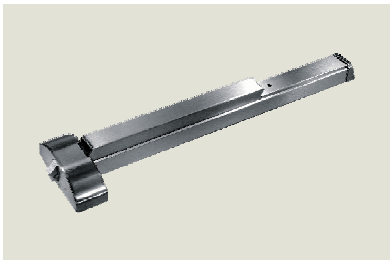
09 EM Door Holders



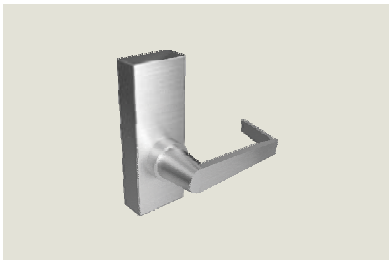
10 Electromagnetic Locks



13 Electric Strikes



14 Exit Devices



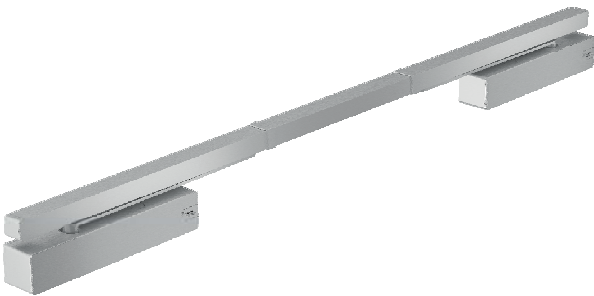
17 External Trim



19 Accessories

TS 93

Door closer with electro Mechanical hold open



The TS93 GSR in Contur Design combines exceptionally smooth, efficient door control with proper sequential closing for pairs of doors equipped with astragals or exit devices.

TS93 GSR shall have optional (EMF 1) mechanism to provide an electrically held selective single-point hold open function for the inactive door from approximately 80° to 130°.

TS93 GSR/T shall have optional (EMF 2) mechanism to provide an electrically held selective single-point hold open function for the active and inactive doors from approximately 80° to 130° for standard pull side GSR/T or 80° to 120° for standard push side GSR/PT.

The active door can be held open when the inactive door is closed, or both doors can be held open together.



Finishes

Aluminium	689
Bronze	691 (Dull), 690 (Statuary) or 695 (Dark Duranodic), Gold: 696 (Satin), Black: 693

Electrical Specifications

Function Ref.	Function Code
Operating Voltage	24 VDC ± 15%
Power Input	Entrance by trim when latch bolt is retracted by key. Key removable only when locked.
EMF 1I	0.067 A (1.4 W)
EMF 1A	0.067 A (1.4 W)
EMF 2	0.134 A (2.8 W)



M9000

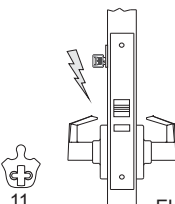
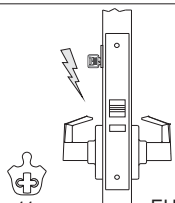
Mortise Locks



Exceptional security, enhanced aesthetics, and rugged dependability.

These premium performance locksets are built with a heavy-duty mortise chassis for all applications where ANSI/BHMA A156.13 Grade 1 products are required. To meet the aesthetic needs of your project, these versatile locks are available in a range of lever and knob trim designs and finishes.

Features

Function	Series	Outside/Inside	Description
Electrically Locked Fail Safe	M9080EL		• Outside trim locked when power is on. • Outside trim unlocked when power is interrupted. • Latch by key outside. • Inside trim always unlocked. • Auxiliary latch deadlocks latch bolt. NOTE: Available with Request to Exit (RX), Latch Monitoring (LM) or both.
Electrically Unlocked Fail Secure	M9080EU		• Outside trim unlocked when power is on. • Outside trim locked when power is interrupted. • Latch by key outside. . Inside trim always unlocked. • Auxiliary latch deadlocks latch bolt. NOTE: Available with Request to Exit (RX), Latch Monitoring (LM) or both.

Finishes

- Brass: 605 PVD (Bright) or 606 PVD (Satin)
- Bronze: 612 PVD (Satin) or 613 PVD (Dark Oxidized Satin)
- Nickel: 619 PVD (Satin)
- Chrome: 625 (Bright) or 626 (Satin)
- Black: 622 PVD (Satin)

Electromechanical Options

Function Ref.	Function Code
EL	Electrically locked (fail safe).
03	Entrance by trim when latch bolt is retracted by key. Key removable only when locked.
08	Entrance by lever or knob. Key locks or unlocks lever or knob.
09	Entrance by knob or lever only when released by key. Key removable only when locked.

Anti Panic Locks

SVP Series

Doors that lock immediately after each closure with the deadbolt being automatically advanced – this is the clear advantage offered by the automatic action locks SVP/SVZ. At the same time, the clawbolt latch engages providing a "two point locking". The emergency escape function of the SVP locks ensures that the door can be easily opened at any time from the inside simply by pressing the lever handle.

SVP 4000



Features

- An electrically monitored switch lock with integrated tamper proof detectors for monitoring the latch and deadbolt
- Backset : 55-65mm
- CTC : 72mm
- DIN Left/Right
- Fire rated

SVP 2000



Features

- Motor lock with a sequential control for maximum safety and tamper-proof detectors
- Backset : 55-65mm
- CTC : 72mm
- DIN Left/Right
- Fire rated

SVP 6000



Features

- An electrically switch-monitored lock with a split follower for the electrical engaging / disengaging of the external lever handle and tamper-proof detectors
- Backset : 55-65mm
- CTC : 72mm
- DIN Left/Right
- Fire rated
- Connection : 12VDC or 24VDC, stabilized, current consumption: max. 0.4A or 0.2A, contact rating: max. 30VDC, 100 mA.





Anti Panic Locks

M-SVP Series

The substantial benefits of the M-SVP multipoint panic locks with automatic locking action include: automatic locking of doors immediately after every closure and heightened burglar resistance. The 3-point locking devices with rotating bolts or latch bolts and the 20 mm protrusion main bolt lock the door in an insurance-compliant manner and provide heightened burglar resistance.

M-SVP 3000

Electromechanical multipoint lock with panic function, automatic locking mechanism and motorised unlocking.

M-SVP 3500

Electromechanical multipoint lock for double-leaf panic doors with automatic locking action and motorised unlocking

M-SVP 2200 DCW

Multipoint motor lock with panic function, motorised locking and unlocking as well as integrated DCW® interface

Benefits – point by point

- Automatic and immediate locking of doors after each closure.
- Insurance-compliant locking through 20 mm deadbolt projection, additional protection through rotating bolt or deadbolt at the top and bottom
- Enhanced burglar resistance through multipoint lock
- Thanks to the panic function, the door can be opened in the direction of escape at any time using the lever handle
- Can be used on wide and narrow stile doors, for profile and profile round cylinders
- Profile-related supply packages
- Integration in access control and TMS systems possible (not M-SVP 5000)
- Approved for use in emergency exits and escape routes, suitable for fire doors
- If there is a power failure, the door can still be locked and unlocked from the inside and the outside with the key



EM Series

Electromagnetic Door Holders



dormakaba EM Series door holders are composed of a door mounted catch plate and a floor or wall-mounted electromagnet. This series serves as an economical package for use in conjunction with dormakaba door closers whenever controlled release and closing of doors is necessary for safety or convenience such as in hotels, hospitals, and nursing homes.

Features

1	Dual voltage capability reduces stocking requirements.
2	Optional extension rods fit on standard catch plate to accommodate deeper door to wall conditions.
3	Low residual magnetism allows easy release of door.
4	Floor- and wall-mounted styles.
5	Can be manually pulled from hold open position.
6	Silent operation
7	Holding force 15–25 lb nominal.

How to order

Application		Options (Packaged Separately)	
Completely Flush	509	2-5/8" Catch Plate	CP LONG
Surface	508	2" Catch Plate	CP SHORT
Semi-Flush, Short Catch	505	8-3/8" to 12" Adjustable Extension	ER 12
Semi-Flush, Long Catch	504	6-3/8" to 8" Adjustable Extension	ER 7
Double Floor	502	2" Extension	ER 2.0
Single Floor	501	1-1/2" Extension	ER 1.5
EM 504 24120			
EM		24120 — Dual Voltage 24 VDC, 120 VAC	
Series		Electrical Specification	

Finishes

Powder Coated Finishes

- Aluminum: 689
- Bronze: 695 (Dark Duranodic)

Painted Finish

- 696: Gold (Satin)

EM Series

Electromagnetic Locks

EM electromagnetic locks are reliable and convenient door locking devices that can be readily combined with an access control system. The EM product range offers the right solution for a wide array of structural situations and applications. dormakaba offers a complete portfolio of EM electromagnetic locks. Thanks to the materials selected and comprehensive long-time testing at the development stage, these too meet in full the quality standards set by dormakaba.

Abbreviations

A = Lock status sensor

D = Shear lock magnets

F = Front-mounted

GL = Electromagnetic lock with LED light panel

H = Surface-mounted

M = Mortise-mounted



Data and features

Type	Holding force	Installation	Single/Double lock	Voltage 12/24 V DC	Lock status sensor	LED spot	LED light panel	Slender design	Encoded armature plate	Weather-resistant	Shear lock
EM 1800 AH	1800 N	Surface	Single	•	•	–	–	–	–	–	–
EM 1800 AM	1800 N	Mortise	Single	•	•	–	–	–	–	–	–
EM 3000 H	2500 N	Surface	Single	•	–	–	–	–	–	–	–
EM 3000 AH	2500 N	Surface	Single	•	•	•	–	–	–	–	–
EM 3000-GL AH	2500 N	Surface	Single	•	•	–	•	–	–	–	–
EM 3000 M	2500 N	Mortise	Single	•	–	–	–	–	–	–	–
EM 3000 AM	2500 N	Mortise	Single	•	•	–	–	–	–	–	–
EM 3000-T AM	2500 N	Mortise	Single	•	•	–	–	•	–	–	–
EM 5300 H	5300 N	Surface	Single	•	–	–	–	–	–	–	–
EM 5300 AH	5300 N	Surface	Single	•	•	•	–	–	–	–	–
EM 5300-GL AH	5300 N	Surface	Single	•	•	–	•	–	–	–	–
EM 5300-i AH	5300 N	Surface	Single	•	•	•	–	–	•	–	–
EM 5300-2 H	5300 N	Surface	Double	•	–	–	–	–	–	–	–
EM 5300-2 AH	5300 N	Surface	Double	•	•	•	–	–	–	–	–
EM 7500-F AH	7500 N	Surface	Single	•	•	–	–	–	–	•	–
EM 7500-S AH	7500 N	Surface	Single	•	•	–	–	–	–	•	–
EM 7500-D AM	7500 N	Mortise	Single	•	•	–	–	–	–	–	•
EM 15000-D AM	15000 N	Mortise	Single	•	•	–	–	–	–	–	•

= Yes – = No

EM Series

EM 6900

The EM 6900 series offers advanced mini electromagnets with 8000 N holding force for high security doors. The locks feature an integrated lock status sensor, a door status sensor, an Early Warning detector and a built-in buzzer.

EM 6900 GL-AH B

Surface installation



Holding force	8000 N
Power supply	12/24 V DC
Current	400/200 mA
Magnet	218 x 30.5 x 30 mm (LxWxH)
Early warning alarm	Reed + built-in buzzer
Lock status sensor	Yes
Door status sensor	Yes
Mega LED	Yes

EM 6900 AM B

Mortise installation



Holding force	8000 N
Power supply	12/24 V DC
Current	400/200 mA
Magnet	195 x 35.5 x 25.7 mm (LxWxH)
Early warning alarm	Reed + built-in buzzer
Lock status sensor	Yes
Door status sensor	Yes
Mega LED	No

EM Series

EM Comfort Line

EM Comfort Line (EMC) offers complementing locking solution for security access control systems and emergency exit doors. All locks are fail safe mode, meaning that in case of power failure the doors will release ensuring effective emergency exit. Available in all standard holding force fulfilling the majority of security demands.

Abbreviations

A = Lock status sensor
 D = Shear lock magnets
 F = Front-mounted
 GL = Electromagnetic lock with LED light panel
 H = Surface-mounted



Type	Holding Force (LBF)	Installation	Voltage	Single / Double leaf doors
EMC 400 AH	400	Surface	12/24v DC	Single
EMC 600 ALH	600	Surface	12/24v DC	Single
EMC 600 AM	600	Mortise	12/24v DC	Single
EMC 1200 ALH	1200	Surface	12/24v DC	Single
EMC 600-2 ALH	600 x 2	Surface	12/24v DC	Double
EMC 1200-2 ALH	1200 x 2	Surface	12/24v DC	Double



Electric Strikes

dormakaba electric strikes ensure door security in private, public and commercial premises, are suitable for use with many different locks and door types and are available in all conventional operating voltages. Whether for standard doors, fire and smoke check doors or for doors in emergency and escape routes, you will be able to find the right model to match your particular requirements – all quality-assured by dormakaba.

A = Holding function

If the electric strike lever handle is activated momentarily, the mechanism in the electric strike responds, releasing the strike until after the door has been opened. Once-off entry is possible

E = Unlocking

A small lever switches the electric strike off. The door is fully accessible without any signalling from the electric strike.

RR = Monitor contact

A floating contact supplies
"Door open" / "Door closed" status signals



Data and features

Electric Strikes Series	Basic	Lucky Basic 448	Basic-Safe	Basic-Radius	Basic-Radius Safe	DES 72x	DES 731	Basic-Small	Smoke	Lucky Smoke 448	Fire 447	Lucky Fire 448	DES 300	DES 400
Standard doors	•	•	•	•	•	•	•	–	–	–	–	–	–	–
Doors with thermal-break profiles	–	–	–	–	–	–	–	•	–	–	–	–	–	–
Smoke protection doors	–	–	–	–	–	–	–	–	•	•	•	•	–	–
Fire protection doors	–	–	–	–	–	–	–	–	–	–	•	•	–	–
Symmetrical housing	•	•	•	•	•	–	–	–	•	•	•	•	•	•
Asymmetrical housing	–	–	–	–	–	•	•	•	–	–	–	–	–	–
Non-handed	•	•	•	•	•	•	•	–	•	•	•	•	•	•
Radius latch	–	–	–	•	•	–	–	–	–	–	–	–	–	–
Fail-safe model	–	–	•	–	•	–	•	–	–	–	–	–	–	–
Fail-secure model	•	•	–	•	–	•	–	•	•	•	•	•	–	–
Fail-Safe/Fail-secure switchable	–	–	–	–	–	–	–	–	–	–	–	–	•	•
Unlocking function (E)	•	–	–	•	–	–	–	•	–	–	–	–	–	–
Holding function (A)	•	–	–	•	–	–	–	–	–	–	–	–	–	–
Monitor contact (RR)	•	•	•	•	•	•	•	–	•	•	•	•	•	•
Latch guide Easy Adapt	o	•	o	–	–	–	–	–	o	•	o	•	–	–
Anti-tamper contact	–	–	–	–	–	–	–	–	–	–	–	–	–	•

= yes – = no o= option

9000 Series

Premium Exit Devices



9000 Series exit devices reliably secure egress doors in compliance with all applicable fire/life safety code requirements. The DE9000 Series delayed egress exit device is available when security and safety are a concern. 9000 Series exit devices offer the specifier a selection of true architectural finishes and a full complement of electrified options, including alarmed exit, delayed egress exit, electric latch retraction, and device monitoring.



Features

BPA	Battery Powered Exit Alarm	LM/MS	Latch Monitor/Monitor Switch
BPAP	Battery Powered Exit Alarm, (4) minute reset	LM/MS BP	Latch Monitor/Monitor Switch with Bypass
DWA	Direct Wired Exit Alarm	DE	Delayed Egress, 15 sec (9100, 9300, 9500, 9600, 9700)
CD	Cylinder Dogging	DE30	Delayed Egress, 30 sec (9100, 9300, 9500, 9600, 9700) requires special approval from authority having jurisdiction)
MLR	Motorized Latch Retraction / Electric Dogging	DECBC	Delayed Egress, CBC compliant
ES	Latch Retraction (9100, 9300, 9400, 9600, 9700, 9800)	SB	Slide Bolt (9100, 9400, 9600, 9800)
ETR	Top Rod Extension (9100, 9400, 9600, 9800)	PB	Pullman Bottom Latch, vertical rod only (9100, 9400, 9600, 9800)
GK9000	Vision Lite Shim Kit (Wide Stile)	SNB	Sex Nuts, specify quantity
GK9200	Vision Lite Shim Kit (Narrow Stile)	ALD	Wide Stile Aluminum Door Brackets (9100, 9600)
LB	Less Bottom Rod (9100, 9400, 9600, 9800)	NS	2-1/8" Narrow Stile Aluminum Door Bracket (9600 only)
LM	Latch Monitor	WD	Narrow Stile Wood or Hollow Steel Door Bracket (9600 only)
MD	Magnetic Dogging	TX	Security Screws
MS	Monitor Switch	FL	Full Length Touch Bar
HC	Hurricane Code Rated (9300, 9400, 9500, 9700, 9800)	BF	Barrier Free, CBC compliant (9300, 9500, 9700)

Finishes

Architectural Finishes

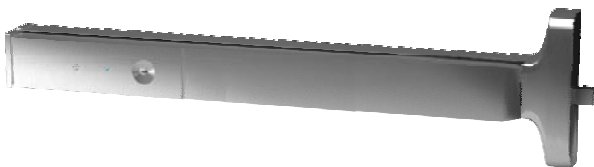
- Brass: 605 (Bright) or 606 (Satin)
- Bronze: 611 (Bright), 612 (Satin), or 613 (Oxidized Satin)
- Nickel: 619 (Satin)
- Black: 693
- Chrome: 625 (Bright) or 626 (Satin)
- Stainless: 629 (Bright) or 630 (Satin)

Powder Coated Finishes

- Aluminum: 689
- Bronze: 691 (Dull) or 695 (Dark Duranodic)
- Black: 693
- Gold: 696
- Clear Powder Coating: Specify **P**
- Anti-Microbial: Specify **AM**

DE9000 Series

Delayed Egress Exit Devices



The DE9000 Series delayed egress exit device maximizes features for uncompromising security and safety and offers ease of installation, job site function flexibility, and years of trouble free service.

The DE9000 is alarmed and the touchbar will not activate the latch bolt for 15 seconds (30 second factory option available). This provides a controlled delayed egress while simultaneously sounding a local and remote audible alarm. After the delay time, unrestricted emergency egress is available.

Features

Nuisance Alarm

The nuisance alarm, with a steady warning tone, deters inadvertent activation of the device when the touchbar is depressed. Releasing the touchbar before the predefined nuisance alarm time of 1 or 3 seconds terminates the alarm, and the device returns to the armed mode. Depressing the touchbar longer than the predefined time will initiate the 15 second irreversible delay cycle. The 1 or 3 second nuisance alarm time is included in the 15 second irreversible delay time. The nuisance alarm time is field-selectable for three seconds or one second by a dip switch. A 30 second delay option is available set at the factory. Written approval is required from the authority having jurisdiction.

Local or Remote Alarm

Device has an internal 85 dB alarm which will sound indefinitely in the alarm state until the device is reset.

Additionally, a form C relay is provided for activating remote audible/visual signaling of control console or third party console, security panel, or other audible/visual signaling device.

Indicator LED

Status for the DE9000 can be determined by the indicator LED which is visible in varied lighting conditions. When the device is disarmed for an extended time in the bypass mode, the LED will maintain a slow green flash. When activated for authorized egress, the LED displays a rapid green flash until the device automatically rearms. In the armed state, the LED maintains a solid green. When the touchbar is depressed for exit, the nuisance alarm will sound while the LED remains solid green. In the 15 second irreversible delay cycle, the LED turns solid yellow. In the alarm state, the LED is solid red.

Key Switch Control

This integral key switch provides the means to locally rearm the device from the alarm state, disarm for authorized egress, and set the device for the bypass feature. A mortise cylinder is supplied with the device.

Remote Authorized Egress

This function allows override of the device in the armed state. The device will unlock for egress and automatically rearm to the delayed egress mode in 10 seconds. The field-selectable reset time allows up to a 20 second reset. Typical activation devices include remote consoles, key switches, or card readers. This input is controlled with a momentary action normally open switch.

Remote Rearm

Remote rearming of the device is allowed from the alarm state. Typical activation devices include remote consoles or key switches. This input is

controlled with a momentary action normally open switch. Consult local authority having jurisdiction when using this feature.

Door Position Input

An input for use with an external door position switch is provided. This input switch is a maintained action normally closed contact. The device alarms simultaneously with the contact opening. The door is prohibited from being forced or held open unauthorized while the device is armed. The field-selectable authorized egress and bypass functions ignore the door position input for authorized exit or entrance.

Optional Electric Functions

Motorized Latch Bolt Retraction

Specify MLR. A motor concealed in the touchbar assembly provides retraction of the latch bolt by drawing in the touch bar to allow access from the secure side of the door. MLR can also be used to electrically dog/hold the exit push bar in a retracted position during non-secure hours (latch bolt is retracted) until the device is reset.

Electric Latch Bolt Retraction

Specify ES. A solenoid concealed in the touchbar assembly provides instantaneous retraction of the latch bolt to allow access

from the secure side of the door. Remote control can be accomplished with switching devices such as key switches and card readers that provide a normally open electrical contact.

Monitor Switch

Specify MS. Two micro switches in the touchbar assembly functioning as form C contacts provide local and/or remote notification of two separate appliances when the touchbar is depressed. Each switch is rated for .5 AMP @ 28 VDC maximum.

Latch Monitor

Specify LM. A microswitch attached to the device

chassis provides local and/or remote notification of the exit device rods without depressing the touchbar. The single-pole, double-throw switch is rated at .50 AMP @ 28 VDC maximum.

Latch Monitor with Monitor Switch

Specify LM/MS. A combination of Latch Monitor and Monitor Switch functions in one device.

Electric Dogging

Specify MD. A solenoid concealed in the touchbar provides instantaneous dogging of the touchbar assembly. Requires PS545 power supply and ES105 power transfer.

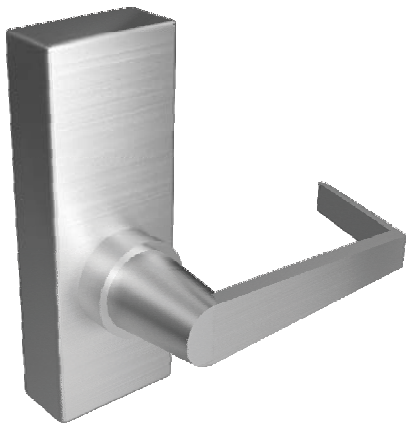
Motorized Dogging

Specify MLR. This feature can be used to electrically dog/hold the exit push bar in a retracted position during non-secure hours. (Latch bolt is retracted.)



9000 SERIES

Narrow Stile Z Trim



dormakaba heavy duty, vandal resistant, corrosion – resistant narrow stile trim are available in wide range of designs and function. All the designs are available in 14 different standard architectural finishes and dozens of custom RAL codes to meet all requirements.

Function Ref.	Function Code
DT	Dummy Trim
03	Entrance by trim when latch bolt is retracted by key. Key removable only when locked.
08	Entrance by lever or knob. Key locks or unlocks lever or knob.
09	Entrance by knob or lever only when released by key. Key removable only when locked.

Features

1	Heavy-duty, vandal-resistant escutcheon.
2	Corrosion-resistant, stainless steel offered standard.
3	Clear powder coating for outdoor or highly corrosive environments that need added protection. Also minimizes the appearance of fingerprints.
4	Specify LFSS for Fail Safe function
5	Specify LFSC for Fail Secure function
6	Electrified trim options must use an ES100 power supply to prevent permanent damage to the electronics.

Trim Models



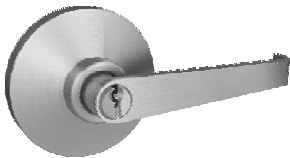
Lever Trim



Pull Trim

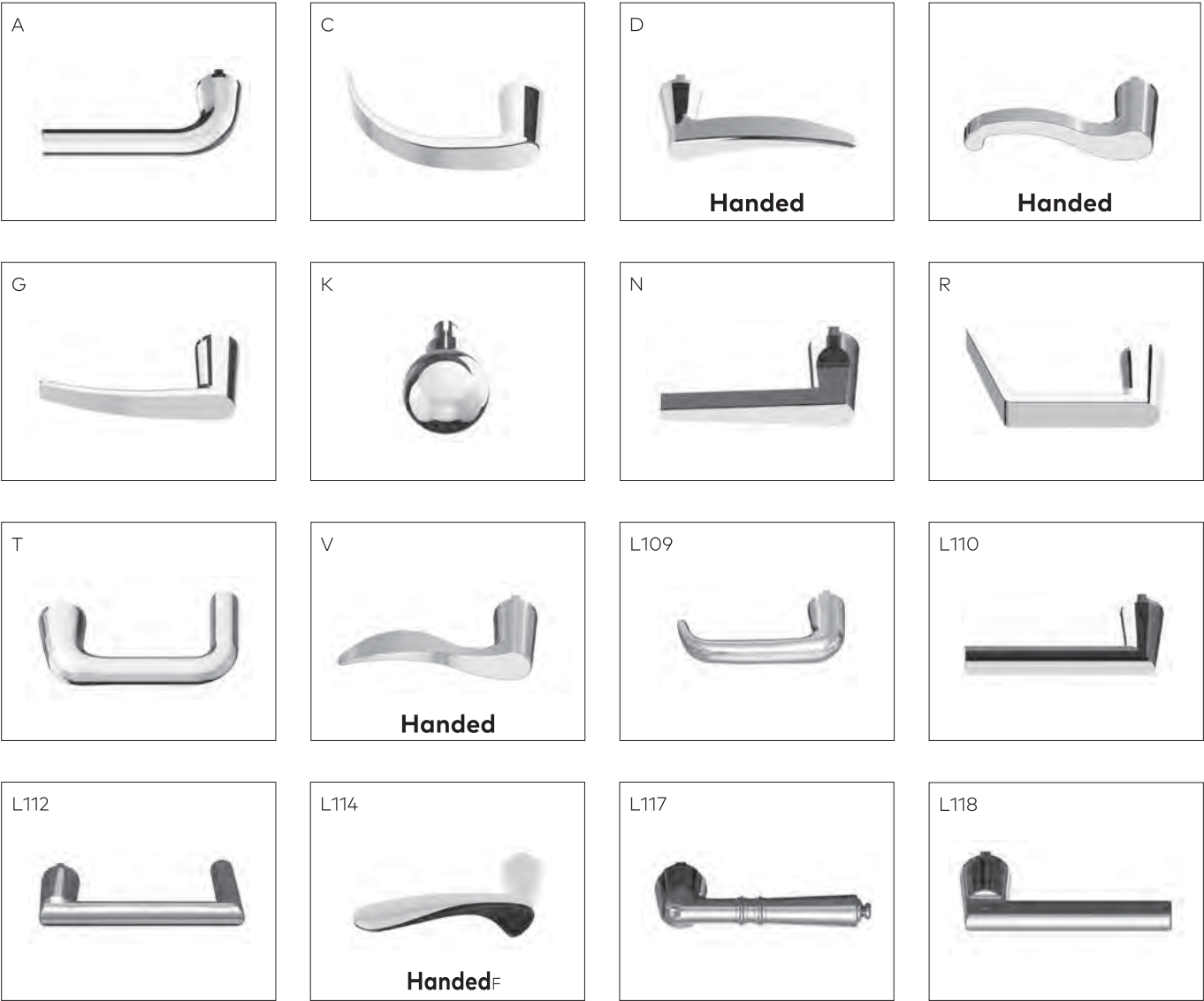


Offset Pull Trim



Key-in Lever Trim

Lever & Knob Styles for Z Narrow Stile Trim



Finishes

Architectural Finishes

- Brass: 605 (Bright) or 606 (Satin)
- Bronze: 611 (Bright), 612 (Satin), or 613 (Oxidized Satin Oil Rubbed)
- Nickel: 619 (Satin)
- Chrome: 625 (Bright) or 626 (Satin)
- Stainless: 629 (Bright) or 630 (Satin)

Powder Coated Finishes

- Aluminum: 689
- Bronze: 691 (Dull) or 695 (Dark Duranodic)
- Black: 693
- Gold: 696

Clear Powder Coating

Specify P

Antimicrobial Protected Coating

Specify AM

Accessories



KU 260

KU 260

Robust spiral metal sheath with recess box to receive flexible connection cables up to 7.5 mm in diameter. Guarantees a nip-free and anti-tamper protection between leaf and frame of doors.



TK 103

TK 103

Reed door contact for monitoring the opening of timber doors only. With 2.3 m flexible connection lead and integrated anti-tamper circuit. For recessed installation (VdS No. G 191518, Class B), NO contact, contact rating: max. 10 W. Dimensions (Diameter x D) approx.: 6 x 30 mm. Kit includes magnet in the same enclosure.



TK 203

TK 203

Reed door contact for monitoring the opening of timber and metal doors. With 2.3 m flexible connection lead and integrated anti-tamper circuit. For surface installation (VdS No. G 191523, Class B), NO contact, contact rating: max. 10 W. Dimensions (W x H x D) approx.: 55 x 10 x 10 mm. Kit includes magnet in the same enclosure.





Dorma and Kaba joining forces

electrified-door-hardware-082019
Subject to change without notice

Access Solutions



Door Hardware
- DHW



Interior Glass
Systems - IGS



Entrance Systems
- ENS



Lodging Systems
- LGS



Safe Locks
- SAL



Electronic Access &
Data - EAD



Mechanical Key
Systems - MKS



Service - SVC

Wall Solutions



Movable Walls

dormakaba India Private Limited
Plot No. 48/3, Mahindra World City
8th Avenue, Anjur Village
Chengalpattu Taluk
Kancheepuram District
Tamil Nadu 603 002, INDIA
T +91 44 67 400 200

SERVICE TOLL FREE
1800 121 6414