

**Corbin
Russwin** 

Electro-Mechanical
Door Closers

DC26900 Series



An ASSA ABLOY Group company

ASSA ABLOY

Electromechanical Door Closers DC26900 Series

DC26900 Series

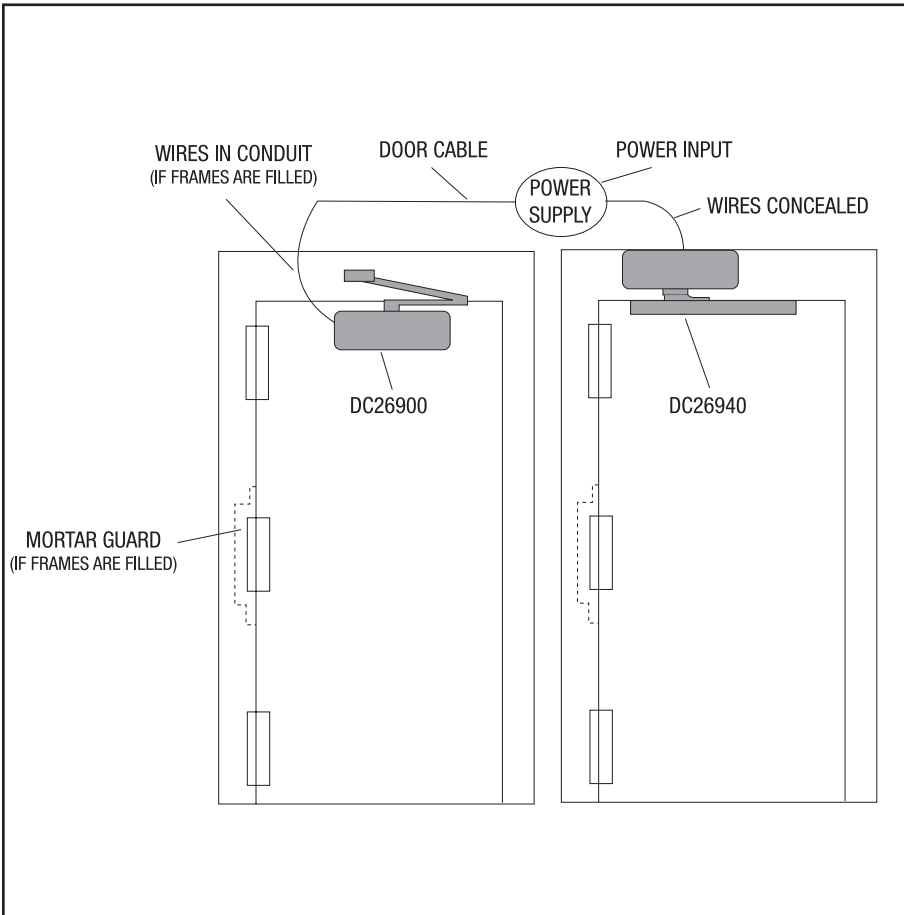
Applications

The proven durability of a DC2000 Series door closer with the added benefit of code compliant electromechanical hold-open. Easily linked into a smoke, fire, heat or security system, the DC26900 closer is best used in new construction or renovation for:

- Corridor doors
- Stairtower doors
- Office doors
- Fire doors
- Exit doors
- Patient room doors

Advantages

- Proven durability and reliability of the Corbin Russwin DC2000 Series Door Closer
- Regular, top jamb, parallel arm, track, and free swinging arm and track mountings available
- Low voltage AC or DC systems available
- Adjustable degree of hold-open up to 180 depending on application
- Permits barrier-free traffic
- Eliminates need for separate electromagnetic holder



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This catalog can be found on the Internet at the Corbin Russwin website at: www.corbin-russwin.com

Electromechanical Door Closers DC26900 Series

Features

Spring Power

Sizes 2, 3, 4, 5, and 6 available.

Handing

Handed; specify hand.

Body

Cast iron with seamless one-piece forged steel spring tube.

Arm

Heavy-duty forged, or stamped steel.

Spindle

Triple heat-treated steel.

Piston

Precision machined heat-treated steel.

Springs

Double heat-treated steel, tempered.

Valves

Latching speed valve and closing speed valve standard.

Backcheck intensity valve with safety feature and multiple backcheck location valve optional; see How to Order, page 6.

Seals

"O" rings.

Fluid

Standard: high lubricity hydraulic fluid.

Degree of Opening

Up to full 180° opening standard for regular, top jamb and parallel arm mountings. Track arm and swing free track arm maximum: 110°.

Power Adjustment Arm Bracket

15% adjustment standard.

Cover

Full, non-metallic
10-5/16" long x 3-9/16" wide x 2-7/8" projection.

Mounting Bracket

QUIK-INSTALL™ mounting bracket standard.

Fasteners

Standard: combination screws for wood and metal doors. Sex nuts and bolts (SNBs) standard on DC26930 closers and for track on DC26940.

Optional: sex nuts and bolts or security torx® machine screws; see How to Order, page 6.

Magnet

Special alloy iron core minimizes residual magnetism.

Rectifier

Built-in rectifier standard on AC units to eliminate hum; silicon diodes used for long life.

Warranty

Ten-year limited warranty on closers; one-year limited warranty on electro-magnetic components.

Certification/Compliance

ANSI

Meets A156.4, Grade 1.

Federal

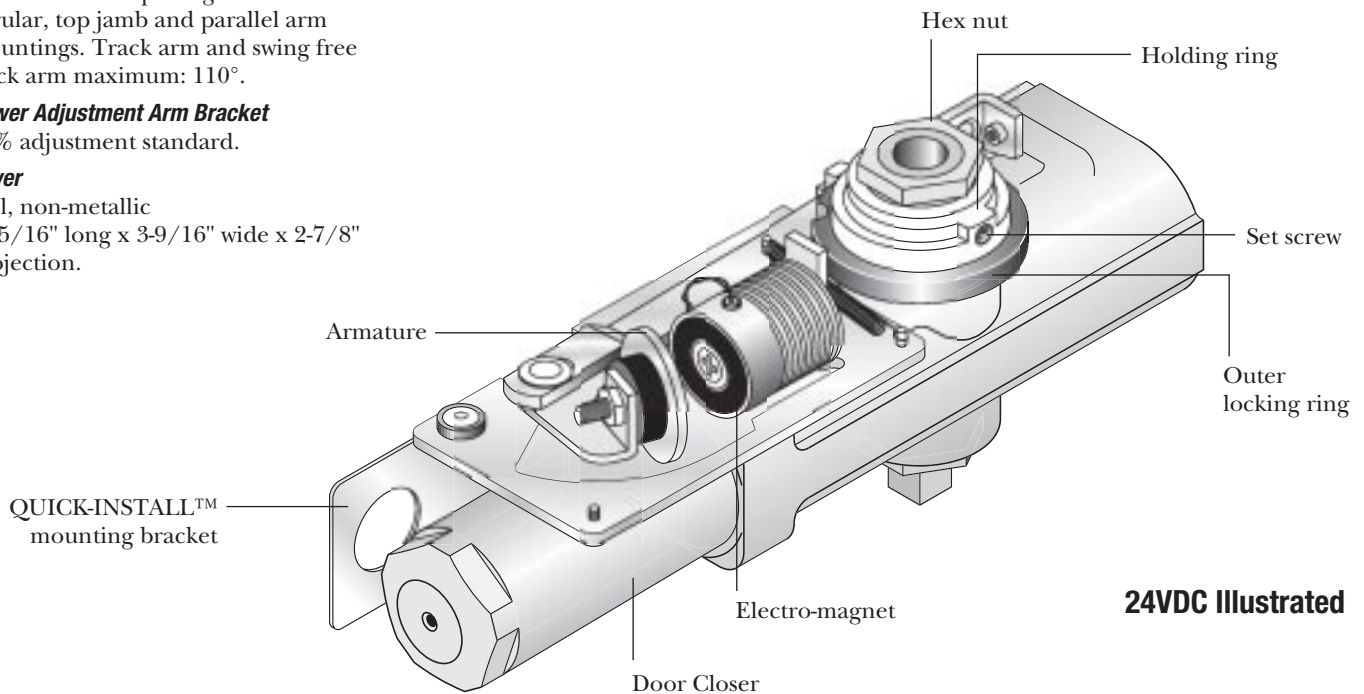
Meets FF-H-121D, Type 3000.

UL /ULc

UL listed for use on fire doors.

Finishes

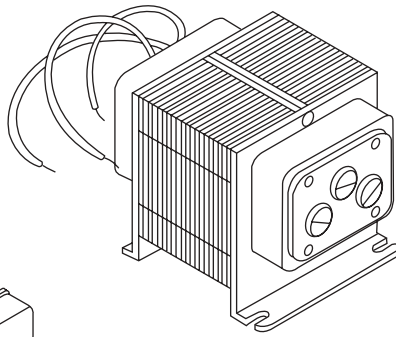
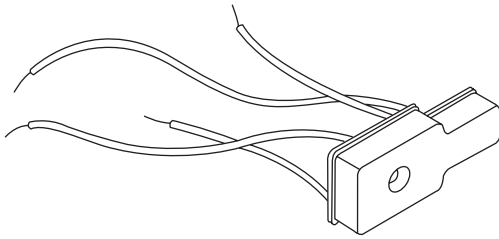
BHMA 600	Primed for Painting
BHMA 689	Silver Aluminum Painted
BHMA 690	Dark Bronze Painted
BHMA 691	Light Bronze Painted
BHMA 693	Black Painted
BHMA 696	Satin Brass Painted



24VDC Illustrated

Electromechanical Door Closers DC26900 Series**Rectifier**

RE-1 Converts current from AC to DC.
Specify Part No. RE-1.
Note: Standard on all AC units.

**Transformer**

TR-2 Self-restoring circuit breaker
inside transformer coil protects against
overload.

Primary
120 volt AC
60 Hz

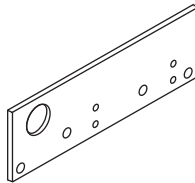
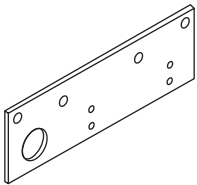
Secondary
8VAC - 20 watts - output
16VAC - 30 watts - output
24VAC - 30 watts - output

To order, specify Part No. TR-2.

Brackets

Top Jamb Plate
Optional for use on top jamb
applications; see How to Order, page 6.
To order separately, specify Part No.
408F97.

Top Jamb Plate for Track Mounting
Optional for use on track and swing free
application installed on narrow style
frame; see How to Order, page 6.
To order separately, specify Part No.
407F19.



How To Order

Electromechanical Door Closers DC26900 Series

Ordering Examples

Stock Order

Quantity	Series/Mounting/Size	Finish	Hand	Voltage	Misc. Options
48	DE26904	689	RH	24A	M54-M70

Contract Order

Quantity	Series/Mounting/Size	Finish	Hand	Voltage	Misc. Options
34	DC26943	689	LH	12D	M70

Where to find ordering information and Quick Codes

Series/Mounting/Size	Page 6
Finish	Page 6
Handing	Page 6
Door Thickness	Page 6
Voltage	Page 6
Miscellaneous Options	Page 6

Electromechanical Door Closers DC26900 Series

Series/Mounting/Size

Description	Mounting	Size 2 Specify	Size 3 Specify	Size 4 Specify	Size 5 Specify	Size 6 Specify
DC26900 Series Sized; non-adjustable	Regular Arm	DC26902	DC26903	DC26904	DC26905	DC26906
	Parallel Arm	DC26912	DC26913	DC26914	DC26915	DC26916
	Top Jamb	DC26922	DC26923	DC26924	DC26925	DC26926
	Track	DC26932	DC26933	DC26934	DC26935	DC26936
	Swing Free Arm	DC26942	DC26943	DC26944	DC26945	DC26946

Handing

Hand	Specify
Left Hand	LH
Right Hand	RH
Right Hand Reverse	LH
Left Hand Reverse	RH

Finish

Description	Specify
USP Primed for Painting	600
SBL Silver Aluminum Painted	689
LBL Dark Bronze Painted	690
DBL Light Bronze Painted	691
FBL Black Painted	693
GBL Satin Brass Painted	696

Voltage

Description	Specify
12 volt alternating current	12A
12 volt direct current	12D
24 volt alternating current	24A
24 volt direct current	24D
120 volt alternating current (DC26920, DC26930 and DC26940 closers only)	120A

Door Thickness

Door	Specify
1-3/8" (44mm)	D138
1-3/4" (51mm)	(standard)

Miscellaneous Options

Description	Specify
Security torx® machine screws	M04
Sex nuts and bolts (SNBs) (standard on DC26930, DC26940)	M54
Backcheck intensity and location valves	M70
Top jamb plate	M80
Top jamb plate for track mounting for narrow top rail	M81
Sex nuts and bolts DC26940	M102

Electromechanical Door Closers DC26900 Series

Suggested Specification

All door closers shall be DC26900 Series Door Closers as manufactured by Corbin Russwin Architectural Hardware, Clarksdale, Mississippi, USA.

Closers shall be of rack and pinion construction with a triple heat-treated cold-forged steel spindle and a sintered steel piston, heat-treated and precision machined. The case shall be of cast iron with a one-piece seamless forged spring tube. A two-piece or seamed spring tube shall not be acceptable. Springs shall be double heat-treated and tempered. Closers shall have a heavy-duty, forged steel main arm, or stamped steel when used with tracks.

Optional arms shall include parallel top jamb, free-swinging arm and track.

Closers shall be available in sizes 2-6. Closing shall be controlled by two valves – one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and be non-critical with "O" rings.

Closers shall be available with an adjustable backcheck intensity valve with a safety feature that automatically relieves internal pressure when backcheck has reached the desired adjustment level. Valves shall be accessible without removing the closer from the door. Closers shall have an automatic air handling system to provide control of internal air expansion and contraction.

Closers shall be available with a multiple backcheck location valve, providing a choice of locations where backcheck affects the door opening cycle. This valve shall be operative on regular, top jamb, parallel arm and track type mountings.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer's trademarks. Closers shall be regularly furnished with power adjustment arm bracket capable of providing a 15% power adjustment. A QUIK-INSTALL™ mounting bracket to attach the closer shall be regularly furnished. Closers not having a mounting bracket shall not be acceptable. Hydraulic fluid shall be available of a type requiring no seasonal valve readjustment due to extreme temperature variations. Closers mounted top jamb and parallel arm shall allow for full 180° door opening. Closers shall be made in USA.

Track-mounted units and free swinging arm units shall allow the doors to swing 100°.

The holder magnet shall be constructed of a special alloy iron core that minimizes residual magnetism. All AC units shall have a built-in rectifier to eliminate hum. Silicon diodes shall be used to extend product life.

Closers shall be listed by Underwriters Laboratories for fire doors.

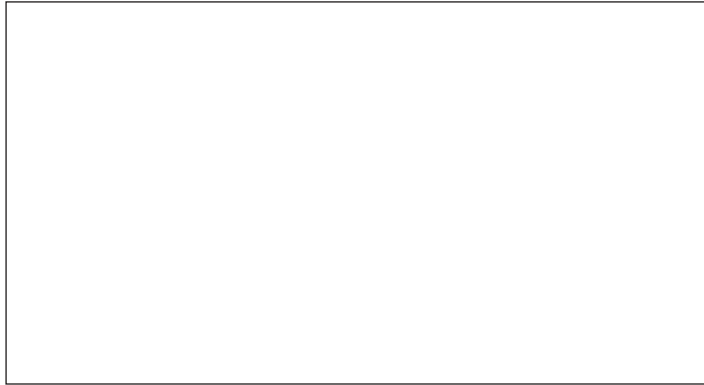
Certification:

ANSI 156.4, Grade 1.

Closers shall carry a ten-year limited warranty.

Electromechanical components shall carry a one-year limited warranty.

For more information regarding Corbin Russwin Locksets,
Exit Devices, Door Controls and Key Systems, contact your
authorized Corbin Russwin Distributor or Sales Representative.



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