

Allen-Bradley Guardmaster 442G Multifunctional Access Box



A Flexible, Secure and Easy-to-Use Safeguarding Solution

Features and Benefits

- High holding force 2000N (Fzh tested to ISO 14119) is suitable for a wide range of guarding applications
- Unique RFID coded bolt actuator achieves the highest level of tamper resistance
- Available in two models: Power-to-Release and Power-to-Lock
- Available with up to four controls and indicators including an E-stop push button
- Optional escape release allows a person locked inside the safeguarded area to exit quickly and easily
- Four bright LEDs provide status and diagnostics
- Outputs for door position, bolt position, and lock status are available to the control system
- Two integrated hasps available to affix padlocks
- Can be operated as a standalone device or in series with other devices

Integrated access control and guard locking provide a complete safeguarding solution.



Right-hand Multifunctional Access Box mounted on a hinged guard.

Rockwell Automation introduces the Allen-Bradley® Guardmaster® 442G Multifunctional Access Box, an integrated access control and guard locking device which provides a complete safeguarding solution for full body access applications. A high holding force, wide tolerance to guard misalignment (± 5 mm), and an escape release option make the 442G an ideal choice for safeguarding large guard doors typically used in applications where full body access to the safeguarded area is required.

Rated PLe, Cat 4 for interlocking and guard lock monitoring, the 442G complies with the latest functional safety standards. The handle assembly has a uniquely coded bolt actuator which will only be recognized by the assigned locking module, ensuring the highest level of tamper resistance in accordance with the requirements of ISO 14119.

The 442G is easily mounted on aluminum profiles or metal frames for hinged or sliding guards. Four bright LEDs display system status during normal operation and they provide diagnostic information for easy troubleshooting. Four outputs convey door position status, bolt position status, lock status and diagnostic information to the control system.

The 442G is currently available with up to four controls, one of which can be an emergency stop push button. The function and the color of each push button is assigned by the user, making it simple to customize the device for different applications. The optional escape release allows a person locked inside the safeguarded area to exit quickly and easily. And when access into the safeguarded area is required, there are two means for attaching padlocks to the device.

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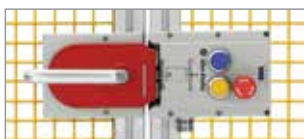
Guardmaster 442G Multifunction Access Box

A system consists of a handle assembly and a lock module. The escape release is optional.

Mounted on right-hand guard



Mounted on left-hand guard



Step 1: Select handle assembly

Description		Catalog number
Right handle		442G-MABH-R
Left handle		442G-MABH-L

Step 2: Select lock module

Replace the * with the code for the selected cover controls (see table at right)
x = R for use with right handle 442G-MABH-R or L for use with left handle 442G-MABH-L

Description	Connector	Catalog number
Power-to-release	M23 (19-pin)	442G-MABR-UxM-*
	M20 cable entry	442G-MABR-UT-*
Power-to-lock	M23 (19-pin)	442G-MABL-UxM-*
	M20 cable entry	442G-MABL-UT-*

Step 3: (Optional) Select escape release

Description		Catalog number
Escape release assembly with standard actuation shaft		442G-MABE1

Note: The standard shaft (115 mm/4.53 in.) is optimized for use on 40 mm and 45 mm profiles. An extended shaft is available (see Accessories) for profiles larger than 45 mm (or when used with mounting plates on a 45 mm profile).

Accessories

Description		Catalog number
Escape release shaft (250 mm)		442G-MABASHFT
Handle assembly mounting plate ⁺		442G-MABAMPH
Lock module mounting plate ⁺		442G-MABAMPL
Escape release mounting plate		442G-MABAMPE
19-pin M23 2 m cordset [*]		889M-F19RM-2

⁺Handle and Lock Module mounting plates must be used together.

^{*}Other cordset lengths available at <http://ab.rockwellautomation.com/Safety>

Cover controls

Description		Replace * with
Blank cover		C00
E-stop only		C05
One illuminated push button [°]		C01
Two illuminated push buttons [°]		C02
E-stop with two illuminated push buttons [°]		C03
E-stop with three illuminated push buttons [°]		C04

Note: For example: If you selected right handle assembly and want a power-to-release lock module with a (19-pin) M23 connector and two illuminated push buttons, you would order 442G-MABR-URM-C02.

[°]Covers with push buttons are supplied with a colored lens kit, including one each of blue, green, red and yellow, and two white.

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