Emergency Stop Operators, **Twist-to-release** (Trigger Action)**, Non-keyed** (Complete Kit) ❸❺❻

Contact Block(s) ❶❷	Plastic operator with plastic bezel			Metal operator with metal bezel		
	30mm Color Cap ❸	40mm Color Cap ❸	60mm Color Cap ❸	30mm Color Cap ❸	40mm Color Cap ❸	60mm Color Cap ❸
	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Oper. Only	**D7P-MT34**	**D7P-MT44**	**D7P-MT64**	**D7M-MT34**	**D7M-MT44**	**D7M-MT64**
1NO	**D7P-MT34PX10**	**D7P-MT44PX10**	**D7P-MT64PX10**	**D7M-MT34PX10**	**D7M-MT44PX10**	**D7M-MT64PX10**
1NC	**D7P-MT34PX01**	**D7P-MT44PX01**	**D7P-MT64PX01**	**D7M-MT34PX01**	**D7M-MT44PX01**	**D7M-MT64PX01**
GCB ❹	**D7P-MT34PX01S**	**D7P-MT44PX01S**	**D7P-MT64PX01S**	**D7M-MT34PX01S**	**D7M-MT44PX01S**	**D7M-MT64PX01S**
2NO	**D7P-MT34PX20**	**D7P-MT44PX20**	**D7P-MT64PX20**	**D7M-MT34PX20**	**D7M-MT44PX20**	**D7M-MT64PX20**
2NC	**D7P-MT34PX02**	**D7P-MT44PX02**	**D7P-MT64PX02**	**D7M-MT34PX02**	**D7M-MT44PX02**	**D7M-MT64PX02**
1NO/1NC	**D7P-MT34PX11**	**D7P-MT44PX11**	**D7P-MT64PX11**	**D7M-MT34PX11**	**D7M-MT44PX11**	**D7M-MT64PX11**
3NO	**D7P-MT34PX30**	**D7P-MT44PX30**	**D7P-MT64PX30**	**D7M-MT34PX30**	**D7M-MT44PX30**	**D7M-MT64PX30**
3NC	**D7P-MT34PX03**	**D7P-MT44PX03**	**D7P-MT64PX03**	**D7M-MT34PX03**	**D7M-MT44PX03**	**D7M-MT64PX03**
2NO/1NC	**D7P-MT34PX21**	**D7P-MT44PX21**	**D7P-MT64PX21**	**D7M-MT34PX21**	**D7M-MT44PX21**	**D7M-MT64PX21**
1NO/2NC	**D7P-MT34PX12**	**D7P-MT44PX12**	**D7P-MT64PX12**	**D7M-MT34PX12**	**D7M-MT44PX12**	**D7M-MT64PX12**

Complete Kit Ordering Instructions

D7P –	MT4	4	P	X10
Oper. Construction	**Operator Type**	**Color Cap ❸**	**Mounting Latch**	**Contacts ❶❷❹**
D7P - Plastic operator with plastic bezel (Type 4/4X/13, IP66)	MT3 - 2-position, 30mm diameter, twist-to-release	4 - Red	P - Plastic latch *(D7P and D7M offered with plastic latch as standard)*	X10 - 1NO X01 - 1NC ⟶ X20 - 2NO X02 - 2NC X11 - 1NO/1NC X30 - 3NO X03 - 3NC X21 - 2NO/1NC X12 - 1NO/2NC
D7M - Metal operator with metal bezel (Type 4/13, IP66)	MT4 - 2-position, 40mm diameter, twist-to-release MT6 - 2-position, 60mm diameter, twist-to-release		M - Metal latch ***List** price changes*	

⟶ Positive Opening per EN60947-5-1 (applies to all NC contact block styles)

"EMO" Emergency Stop Operator

40mm Emergency Stop metal and plastic operators are available with a special "EMO" inscription. To order:

- Select 40mm kit of choice
- Add suffix "E" to catalog number
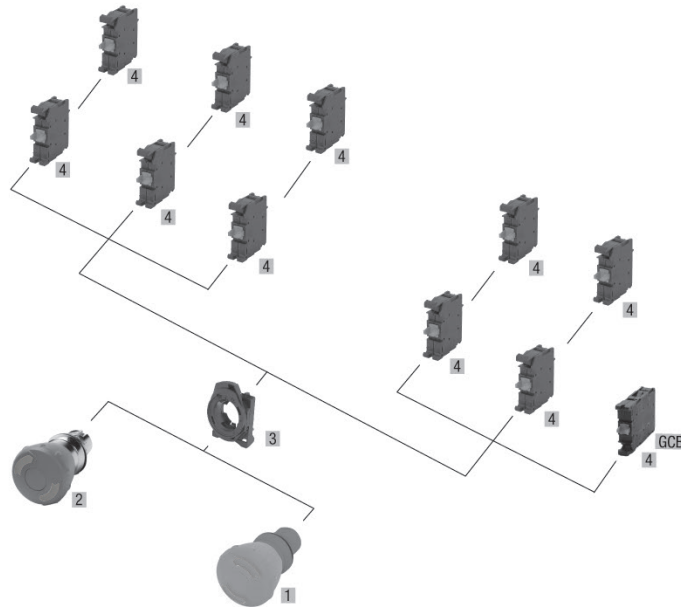 Ex.: Change D7P-MT44PX01 to D7P-MT44**E**PX01
- List price changes.

Semicon compliant yellow plastic guards available, see page H6:10

❶ Up to 6 contact blocks (3 across / 2 high) can be attached.
❷ See page H6:12 for complete kit ordering information on other special contact blocks: Early make, late break, low voltage contact blocks.
❸ Order inscription ring or legend plate for identification. See pages H6:6 and H6:11 for information.
❹ When ordering E-Stop Complete Kits with Guardian Contact Blocks, additional NO and NC contact blocks should be ordered as components from the opposite page.

❺ Operators are EN-ISO13850 compliant with standard NC, NCLB or Guardian contact blocks.
❻ Operators, latch, and contact block combinations have been third-party tested for B10d values. B10d values can be found in approval document EL660_01_10 online at www.sprecherschuh.com.

Emergency Stop Operators, Twist-to-release (Trigger Action), Non-keyed (Components) ❶

Component		Catalog Number	Pkg. Qty.
01	Plastic operator with plastic bezel, 30mm Red, Twist-to-release ❶	**D7P-MT34**	
	Plastic operator with plastic bezel, 40mm Red Twist-to-release ❶ ❸	**D7P-MT44**	1
	Plastic operator with plastic bezel, 60mm Red, Twist-to-release ❶	**D7P-MT64**	
02	Metal operator with shiny metal bezel, 30mm Red, Twist-to-release ❶	**D7M-MT34**	
	Metal operator with shiny metal bezel, 40mm Red, Twist-to-release ❶ ❸	**D7M-MT44**	1
	Metal operator with shiny metal bezel, 60mm Red, Twist-to-release ❶	**D7M-MT64**	
03	Tool-less Mounting Latch (for snap-on contact blocks and power modules)		
	Plastic Latch	**D7-ALP**	10
	Metal Latch	**D7-ALM**	
04	Contact blocks ❷		
	NO	**D7-X10**	
	NC	**D7-X01** ⊖	
	NO, low voltage	**D7-X10V** ⊖❹	10
	NC, low voltage	**D7-X01V** ❹	
	GCB, Guardian Block	**D7-X01S** ⊖	

⊖

⊖ Positive Opening per EN60947-5-1 (applies to all NC contact block styles)

❶ Not available with inscriptions. Order inscription ring or legend plate for identification. See pages H6:6 and H6:11 for information.
❷ Up to 6 contact blocks (3 across / 2 high) can be attached. Up to 4 contact blocks for the Guardian block.
❸ For special "EMO" inscription, add suffix "E" to catalog number. For example change D7P-MT44 to D7P-MT44**E**. List price changes
❹ Low voltage contact blocks must be ordered separately.

E-Stop Guardian™ Contact Blocks (D7-X01S)

Separation of the contact blocks from the front operator or mounting latch can prevent an E-Stop from shutting down the controlled process in an emergency. Proper contact block installation is critical to ensure that the normally closed contacts will open when the E-Stop is actuated.

Designed for critical control applications, Sprecher + Schuh's new Guardian Contact Block (GCB) monitors itself to assure it is properly installed on E-Stop operators.
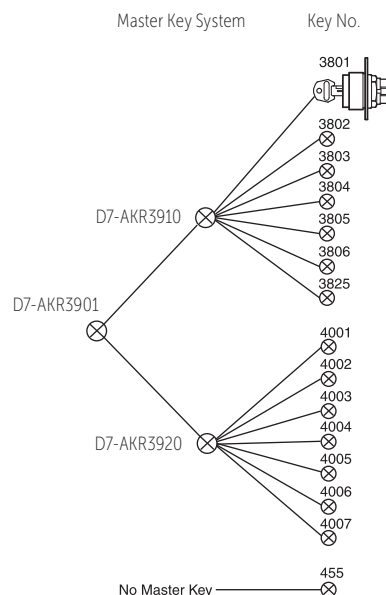
A normally open Guardian contact is physically molded and wired in series with a standard set of normally closed (NC) contacts. The normally open Guardian contacts automatically close when the contact block is properly installed on the E-Stop operator **1**. In this state, the E-Stop and NC contacts operate as usual, with actuation of the E-Stop causing the NC contacts to open **2**.

If the contact block should separate from the E-Stop operator, the normally open Guardian contacts will automatically open **3**. Because the Guardian contacts are wired in series with the NC contacts, the opening of either set of contacts will open the circuit being controlled by the E-Stop.

	1 Normal Operation	**2** Actuated Button	**3** Improperly Installed
N.O. G.C.B	X	X	0
N.C.	X	0	X
.1 .2	X	0	0

H2:3

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Emergency Stop Operators, Twist-to-release (Trigger Action), Keyed (Complete Kit) ❸❺❻❽

Contact Block(s) ❶❷	Plastic operator with plastic bezel	Metal operator with metal bezel
	40mm Color Cap ❸❺	40mm Color Cap ❸❺
	Catalog Number	Catalog Number
Oper. Only	**D7P-MK44✪**	**D7M-MK44✪**
1NO	**D7P-MK44✪PX10**	**D7M-MK44✪PX10**
1NC	**D7P-MK44✪PX01**	**D7M-MK44✪PX01**
GCB ❹	**D7P-MK44✪PX01S**	**D7M-MK44✪PX01S**
2NO	**D7P-MK44✪PX20**	**D7M-MK44✪PX20**
2NC	**D7P-MK44✪PX02**	**D7M-MK44✪PX02**
1NO/1NC	**D7P-MK44✪PX11**	**D7M-MK44✪PX11**
3NO	**D7P-MK44✪PX30**	**D7M-MK44✪PX30**
3NC	**D7P-MK44✪PX03**	**D7M-MK44✪PX03**
2NO/1NC	**D7P-MK44✪PX21**	**D7M-MK44✪PX21**
1NO/2NC	**D7P-MK44✪PX12**	**D7M-MK44✪PX12**

Master Key System | Key No.

D7-AKR3910
D7-AKR3901
D7-AKR3920

3801
3802
3803
3804
3805
3806
3825
4001
4002
4003
4004
4005
4006
4007
No Master Key — 455

Complete Kit Ordering Instructions

ᴅ**7P** –	**MK4**	**4**	**✪**	**P**	**X10**
Oper. Construction	**Operator Type**	**Color Cap ❸**	**Key Code ❼**	**Mounting Latch**	**Contacts ❶❷❹**

Oper. Construction
D7P - Plastic operator with plastic bezel (Type 4/4X/13, IP66)

D7M - Metal operator with metal bezel (Type 4/13, IP66)

Operator Type
MK4 - 2-position, 40mm diameter, keyed, twist-to-release

Color Cap ❸
4 - Red

Key Code ❼
Omit this position for a standard key (3825)
Ronis Key Lock

Key Code	Key No.
Blank	3825 (Standard)
R	455
01R	3801
02R	3802
03R	3803
04R	3804
05R	3805
06R	3806
27R	4001
28R	4002
29R	4003
30R	4004
31R	4005
32R	4006
33R	4007

Mounting Latch
P - Plastic latch
(D7P and D7M offered with plastic latch as standard)

M - Metal latch

List price changes

Contacts ❶❷❹
X10 - 1NO
X01 - 1NC ⟶
X20 - 2NO
X02 - 2NC
X11 - 1NO/1NC
X30 - 3NO
X03 - 3NC
X21 - 2NO/1NC
X12 - 1NO/2NC

* Shading denotes special order.

⟶ Positive Opening per EN60947-5-1
(applies to all NC contact block styles)

❶ Up to 6 contact blocks (3 across / 2 high) can be attached.
❷ See page H6:12 for complete kit ordering information on other special contact blocks: Early make, late break, low voltage contact blocks.
❸ Not available with inscriptions. Order inscription ring or legend plate for identification. See pages H6:6 and H6:11 for information.
❹ When ordering E-Stop Complete Kits with Guardian Contact Blocks, additional NO and NC contact blocks should be ordered as components from the opposite page. Equipped with one set (two keys) of the selected Ronis Key. For Ronis replacement keys, see Accessories page H6:8.

❺ Operators are EN-ISO13850 compliant with standard NC, NCLB or Guardian contact blocks.
❻ Not intended for high security applications. Interoperability is possible with certain key/cylinder lock combinations
❼ Key removal from maintained depressed position only.
❽ Operators, latch, and contact block combinations have been third-party tested for B10d values. B10d values can be found in approval document EL660_01_10 online at www.sprecherschuh.com.

Emergency Stop Operators, Twist-to-release (Trigger Action), **Keyed** (Components) ❶
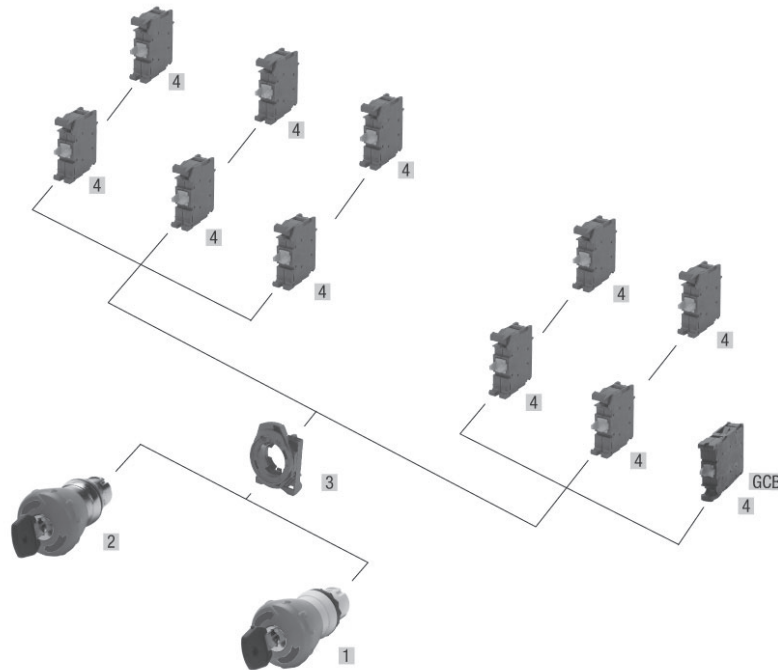
Component		Catalog Number	Pkg. Qty.
01	Plastic operator with plastic bezel, 40mm Red, keyed, Twist-to-release ❶❸	**D7P-MK44✿**	1
02	Metal operator with shiny metal bezel, 40mm Red, keyed, Twist-to-release ❶❸	**D7M-MK44✿**	1
03	Tool-less Mounting Latch (for snap-on contact blocks and power modules)		
	Plastic Latch	**D7-ALP**	10
	Metal Latch	**D7-ALM**	
04	Contact blocks ❷		
	NO	**D7-X10**	
	NC	**D7-X01**⊖	10
	GCB, Guardian Block	**D7-X01S**⊖	

See "Complete Assembly Ordering Instructions" chart on opposite page to determine "Key Codes" (✿) if applicable.

⊖ Positive Opening per EN60947-5-1 (applies to all NC contact block styles)

E-Stop Guardian™ Contact Blocks (D7-X01S)

Separation of the contact blocks from the front operator or mounting latch can prevent an E-Stop from shutting down the controlled process in an emergency. Proper contact block installation is critical to ensure that the normally closed contacts will open when the E-Stop is actuated.

Designed for critical control applications, Sprecher + Schuh's new Guardian Contact Block (GCB) monitors itself to assure it is properly installed on E-Stop operators.
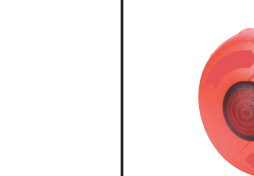
A normally open Guardian contact is physically molded and wired in series with a standard set of normally closed (NC) contacts. The normally open Guardian contacts automatically close when the contact block is properly installed on the E-Stop operator **1**. In this state, the E-Stop and NC contacts operate as usual, with actuation of the E-Stop causing the NC contacts to open **2**.

If the contact block should separate from the E-Stop operator, the normally open Guardian contacts will automatically open **3**. Because the Guardian contacts are wired in series with the NC contacts, the opening of either set of contacts will open the circuit being controlled by the E-Stop.

	1 Normal Operation	**2** Actuated Button	**3** Improperly Installed
N.O. G.C.B	X	X	0
N.C.	X	0	X
.1 ⸺ .2	X	0	0

❶ Not available with inscriptions. Order inscription ring or legend plate for identification. See pages H6:6 and H6:11 for information.
❷ Up to 6 contact blocks (3 across / 2 high) can be attached. Up to 4 contact blocks for the Guardian block
❸ For Ronis replacement keys, see Accessories page H6:8.

Two Position Operators, Twist-to-release, Illuminated (Complete Kits) ❸❹❻

Contact Block(s) ❶❷	Plastic operator with plastic bezel		Metal operator with metal bezel	
	40mm Mushroom ❸	60mm Mushroom ❸	40mm Mushroom ❸	60mm Mushroom ❸
	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Oper. Only	**D7P-LMT44**	**D7P-LMT64**	**D7M-LMT44**	**D7M-LMT64**
Integral LED Module				
1NO	**D7P-LMT44P♣X10**	**D7P-LMT64P♣X10**	**D7M-LMT44P♣X10**	**D7M-LMT64P♣X10**
1NC	**D7P-LMT44P♣X01**	**D7P-LMT64P♣X01**	**D7M-LMT44P♣X01**	**D7M-LMT64P♣X01**
GCB	**D7P-LMT44P♣X01S**	**D7P-LMT64P♣X01S**	**D7M-LMT44P♣X01S**	**D7M-LMT64P♠X01S**
2NO	**D7P-LMT44P♣X20**	**D7P-LMT64P♣X20**	**D7M-LMT44P♣X20**	**D7M-LMT64P♣X20**
2NC	**D7P-LMT44P♣X02**	**D7P-LMT64P♣X02**	**D7M-LMT44P♣X02**	**D7M-LMT64P♣X02**
1NO/1NC	**D7P-LMT44P♣X11**	**D7P-LMT64P♣X11**	**D7M-LMT44P♣X11**	**D7M-LMT64P♣X11**
3NO	**D7P-LMT44P♣X30**	**D7P-LMT64P♣X30**	**D7M-LMT44P♣X30**	**D7M-LMT64P♣X30**
3NC	**D7P-LMT44P♣X03**	**D7P-LMT64P♣X03**	**D7M-LMT44P♣X03**	**D7M-LMT64P♣X03**
2NO/1NC	**D7P-LMT44P♣X21**	**D7P-LMT64P♣X21**	**D7M-LMT44P♣X21**	**D7M-LMT64P♣X21**
1NO/2NC	**D7P-LMT44P♣X12**	**D7P-LMT64P♣X12**	**D7M-LMT44P♣X12**	**D7M-LMT64P♣X12**

H2

D7 Pilot Devices

Complete Kit Ordering Instructions

D7P –	LMT4	4	P	♣	X10
Oper. Construction	**Operator Type**	**Lens Cap Color**	**Mounting Latch**	**Power Module ❹**	**Contacts ❶❷**
D7P - Plastic operator with plastic bezel (Type 4/4X/13, IP66)	LMT4 - 2-position, 40mm mushroom, twist-to-release, illuminated	4 - Red	P - Plastic latch *(D7P and D7M offered with plastic latch as standard)*	*Integral LED module* N3R, 24V AC/DC N5R, 120V AC N7R, 240V AC	X10 - 1NO ⟶ X01 - 1NC X20 - 2NO X02 - 2NC X11 - 1NO/1NC
D7M - Metal operator with metal bezel (Type 4/13, IP66)	LMT6 - 2-position, 60mm mushroom, twist-to-release, illuminated		M - Metal latch **List** price changes		

⟶ Positive Opening per EN60947-5-1 (applies to all NC contact block styles)

❶ Up to 4 contact blocks can be attached.
❷ See page H6:12 for complete kit ordering information on other special contact blocks and power modules.
❸ Not available with inscriptions. Order inscription ring or legend plate for identification. See pages H6:6 and H6:11 for information.
❹ Integral LED module required for illumination, cannot use incandescent module.

❺ Operators are EN-ISO13850 compliant with standard NC, NCLB or Guardian contact blocks.
❻ Operators, latch, and contact block combinations have been third-party tested for B10d values. B10d values can be found in approval document EL660_01_10 online at www.sprecherschuh.com.

Two Position Operators, Twist-to-release, Illuminated (Components) ❶
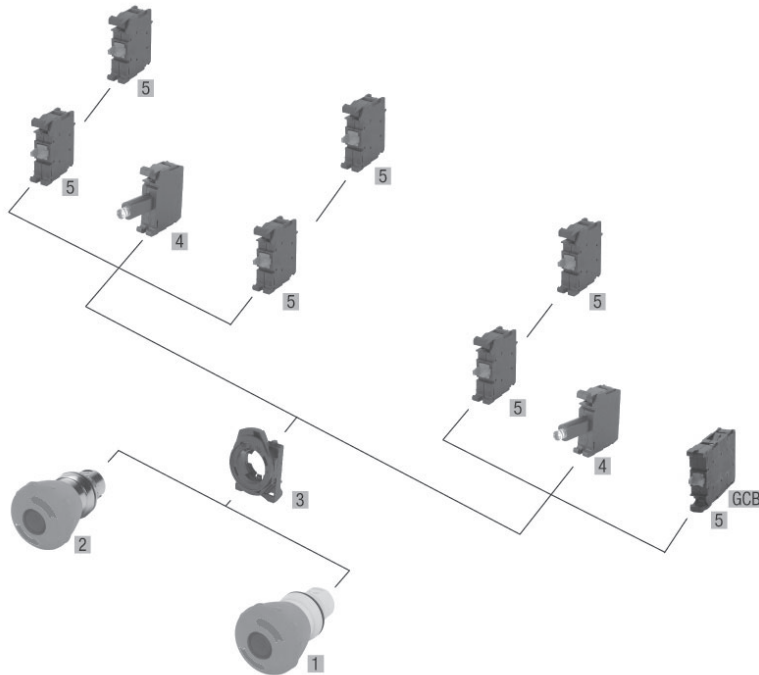
Component			Catalog Number	Pkg. Qty.
01	Plastic operator with plastic bezel, 2-position, 40mm twist-to-release, illuminated ❶❸			
		Red	**D7P-LMT44**	1
	Plastic operator with plastic bezel, 2-position, 60mm twist-to-release, illuminated ❶❸			
		Red	**D7P-LMT64**	1
02	Metal operator with metal bezel, 2-position, 40mm twist-to-release, illuminated ❶❸			
		Red	**D7M-LMT44**	1
	Metal operator with metal bezel, 2-position, 60mm twist-to-release, illuminated ❶❸			
		Red	**D7M-LMT64**	1
03	Tool-less Mounting Latch (for snap-on contact blocks and power modules)			
		Plastic Latch	**D7-ALP**	10
		Metal Latch	**D7-ALM**	

Component			Catalog Number	Pkg. Qty.
04	Power Module, Integral LED			
	RED	24V AC/DC	**D7-N3R**	10
	RED	120V AC	**D7-N5R**	
	RED	240V AC	**D7-N7R**	
05	Contact blocks ❷			
		NO	**D7-X10**	
		NC	**D7-X01** ⊖	
		NO, low voltage	**D7-X10V** ❹	10
		NC, low voltage	**D7-X01V** ⊖ ❹	
		GCB, Guardian Block	**D7-X01S** ⊖	

⊖ Positive Opening per EN60947-5-1
(applies to all NC contact block styles)

❶ Not available with inscriptions. Order inscription ring or legend plate for identification. See pages H6:6 and H6:11 for information.
❷ Up to 4 contact blocks can be attached.
❸ Integral LED module required for illumination, cannot use incandescent module.
❹ Low voltage contact blocks must be ordered separately.