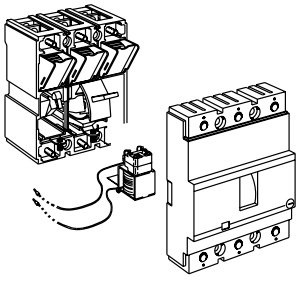
Electrical accessories
Shunt trip, undervoltage release
S1

K1S4



S1 with K1S4

K2U1

Shunt trip

Voltage	Factory installation		Field installation 2	
	Catalog number suffix 1		Catalog number S1	
48VAC/60VDC	S1		K1S1	
220/250VAC	S2		K1S2	
24 – 30VAC	S3		K1S3	
110 – 130VAC	S4		K1S4	
250VDC	S5		K1S5	
110VDC	S6		K1S6	
48VDC	S7		K1S7	
24VDC	S8		K1S8	
220VDC	S9		K1S9	

For remote opening of circuit breaker and includes internal cut-off switch to protect solenoid. All shunt trips are left pole mounted and can not be used with undervoltage releases. All shunt trips are approved for use in ground fault systems. Shunt trips must be ordered with correct connector.

Shunt trip connectors

Type	Voltage	Factory installation	Field installation 2	
			Catalog number S1	
Fixed mounted	All	Included	K2C-SU	

Electrical specifications

V	24, 120, 240, 480VAC ~ 50/60 Hz 24, 48, 125, 250VDC –
For S1 P	100VA~/120W– Instananeous duty

Undervoltage releases (IEC)

Voltage	Factory installation		Field installation 2	
	Catalog number suffix 1		Catalog number S1	
380/400VAC	U1		K2U1	
220/230VAC	U2		K2U2	
24VAC	U3		K2U3	
110VAC	U4		K2U4	
110VDC	U6		K2U6	
48VDC	U7		K2U7	
24VDC	U8		K2U8	
48VAC	U9		K2U9	

Will trip circuit breaker when connected voltage drops to 35 – 70% of undervoltage release voltage rating. Will allow circuit breaker to close (ON) when voltage is approximately 85% of rated voltage. All undervoltage releases are left pole mounted and can not be used with shunt trips. Undervoltage releases must be ordered with correct connector.

Undervoltage release connectors

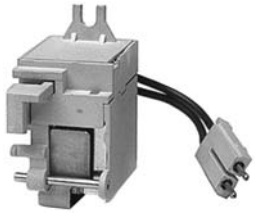
Type	Voltage	Factory installation	Field kit 2	
			Catalog number S1	
Fixed mounted	All	Included	K2C-SU	

Electrical specifications

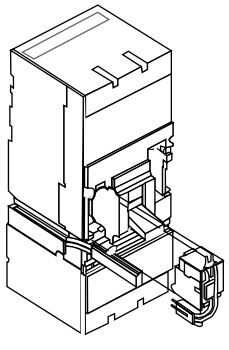
V	24, 120, 240, 480VAC ~ 50/60 Hz 24, 48, 125, 250VDC –
For S1 P	6VA~/3W– Continuous duty

1 For factory installation add suffix given to end of circuit breaker catalog number per accessory format.
2 Not UL approved for field installation.

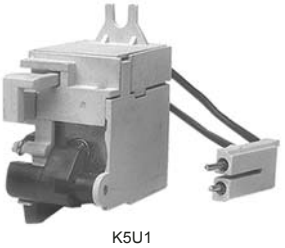
Electrical accessories
Shunt trip, undervoltage release
S3 – S7



K5S1



S5 with K5S2



K5U1

K6C-SUP

Shunt trips

Voltage	Factory installation Catalog number suf x ①		Field installation Catalog numbers S3 – S4 – S5	 S6 – S7	
480VAC/250VDC	S1		K5S1	K7S1	
240VAC	S2		K5S2	K7S2	
120VAC/125VDC	S4		K5S4	K7S4	
48VDC	S7		K5S7	K7S7	
24VAC/VDC	S8		K5S8	K7S8	
12VDC	S9		K5S9	K7S9	

Low power shunt trips

Voltage	Factory installation Catalog number suf x ①		Field installation Catalog numbers S3 – S4 – S5	 S6 – S7	
24VDC	SA		K5SA	K7SA	
120VAC	SB		K5SB	K7SB	

For remote opening of circuit breaker and includes internal cut-off switch to protect solenoid. All shunt trips are left pole mounted and can not be used with UVRs. Except for 12VDC, all shunt trips are approved for use in GF systems. Shunt trips must be ordered with correct connector.

Shunt trip connectors (required)

Type circuit breaker	Voltage	Factory installation ①	Field kit catalog number S3 – S4 – S5 – S6	 S7	
Fixed mounted	All	included	K6C-SU	K7C-SU	
Plug-in/Draw-out	All	included	K6C-SUP	K7C-SUP	

Electrical speci cations – shunt trips (standard)

V	24, 120, 240, 480VAC ~ 50/60 Hz 12, 24, 48, 125, 250 VDC –
For S3-S5 P For S6-S7	100 VA~/120W– Instantaneous duty 150 VA~/150W–

Undervoltage releases

Voltage	Factory installation Catalog number suf x ①		Field installation Catalog numbers S3 – S4 – S5	 S6 – S7	
480VAC	U1		K5U1	K7U1	
240VAC	U2		K5U2	K7U2	
120VAC	U4		K5U4	K7U4	
24VAC	U3		K5U3	K7U3	
250VDC	U5		K5U5	K7U5	
125VDC	U6		K5U6	K7U6	
48VDC	U7		K5U7	K7U7	
24VDC	U8		K5U8	K7U8	

Will trip CB when connected voltage drops to 35-70% of UVR voltage rating. Will allow CB to close (ON) when voltage is approximately 85% of rated voltage. All UVRs are left pole mounted and can not be used with shunt trips. UVRs must be ordered with correct connector.

Undervoltage release connectors (required)

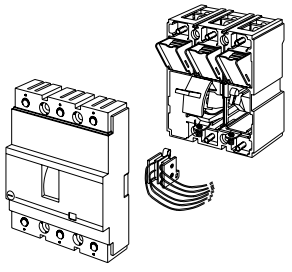
Type circuit breaker	Voltage	Factory installation ①	Field kit catalog number S3 – S4 – S5 – S6	 S7	
Fixed mounted	All	included	K6C-SU	K7C-SU	
Plug-in/Draw-out	All	included	K6C-SUP	K7C-SUP	

Electrical speci cations – UVR & low power shunt trips

V	24, 120, 240, 480 VAC ~ 50/60 Hz 24, 48, 125, 250 VDC –
For S3-S5 P For S6-S7	6 VA~/3W– Continuous duty 10 VA~/4W–

① For factory installation add suf x given to end of circuit breaker catalog number per accessory format.

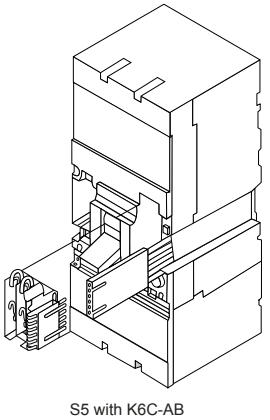
Electrical accessories
Auxiliary contacts
S1 – S7



S1 with auxiliaries

K5AS

K6C-ABP



S5 with K6C-AB

Auxiliary contacts — S1

Contacts	Factory install		Field installation ②	
	Catalog number suf x ①		Catalog number S1	
2 Form Cs	A		K1AS	
1 BA & 1 C	BA		K1BA	

The auxiliary contacts are accessory contacts for the indication of circuit breaker open-closed or tripped. Bell alarm contacts (B.A.) can be used to indicate circuit breaker tripping. All contacts are right pole mounted

Auxiliary contact connectors — S1

Type	Voltage	Factory installation	Field installation ②	
			Catalog number S1	
Fixed mounted	All	Included	K2C-AB	

Electrical speci cations — S1

Voltage	Maximum contact amperage rating
30 VDC	4A
127 VDC	4A
220 VAC	4A

N.O. = contact is open as circuit breaker is open
N.C. = contact is closed when circuit breaker is open
B.A. = will open/close only when circuit breaker trips

Auxiliary contacts — S3 – S7

Contacts	Factory installation		Field installation		
	Catalog number suf x ①		Catalog numbers S3 – S4 – S5	S6 – S7	
2 Form Cs	A		K5AS	K7AS	
1 BA & 1 C	BA		K5BA	K7BA	
1 B BA & 1A + 1B	BA3		—	K7BA-3	

The auxiliary contacts are accessory contacts for the indication of circuit breaker open-closed or tripped. Bell alarm contacts (B.A.) can be used to indicate circuit breaker tripping. All contacts are right pole mounted.

Auxiliary contact connectors (required) — S3 – S7

Type circuit breaker	Voltage	Factory installation①	Field kit catalog number		
			S3 – S4 — S5 – S6	S7	
Fixed mounted	All	included	K6C-AB	K7C-AB	
Plug-in/Draw-out	All	included	K6C-ABP	K7C-ABP	

Electrical speci cations

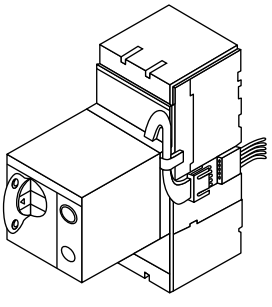
Voltage	Maximum contact amperage rating
125 VDC	0.3 A
250 VDC	0.15 A
250 VAC	6 A

N.O. = contact is open as circuit breaker is open
N.C. = contact is closed when circuit breaker is open
B.A. = will open/close only when circuit breaker trips

① For factory installation add suf x given to end of circuit breaker catalog number per accessory format.
② Not UL approved for eld installation.

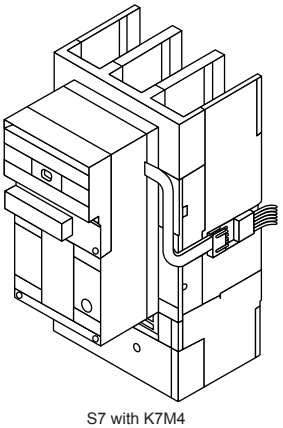
Electrical accessories
Motor operators, stored energy motor operators S3 – S7


K5M2


S4 with K5M2


K6C-M

K6M2


S7 with K7M4

Motor operator

Voltage	Catalog number S3 – S4 – S5	
240VAC/250VDC	K5M2	
120VAC/125VDC	K5M4	
48VDC	K5M7	
24VDC	K5M8	

For remote control of circuit breaker opening and closing.
Complete with manual operating lever, padlock device and emergency opening push-button.
When ordering the connector always specify type and version of the circuit-breaker.
The following options are also available:
– key lock for open position
– key lock for open position of two or more circuit breakers (using the same key for groups of circuit breakers)

Motor operator connectors (required)

Type circuit breaker	Voltage	Field kit catalog number S3 – S4 – S5	
Fixed mounted	All	K6C-M	
Plug-in/Draw-out	All	K6C-MP	

Electrical speci cations

V	120, 240VAC ~ 50/60 Hz 24, 48, 125, 250 VDC –
P inrush	500 VA~/500W–
P normal	350 VA~/500W–
Close time	0.1 s
Open time	0.1 s

Stored-energy motor operator

Voltage	Catalog number S6	Catalog number S7	
240VAC/250VDC	K6M2	K7M2	
120VAC/125VDC	K6M4	K7M4	
48VDC	K6M7	K7M7	
24VDC	K6M8	K7M8	

• Stored-energy motor operator with springs automatically pre-loaded by motor.
• Complete with shunt opening and closing release, and compartment door ange.
• When ordering the connector always specify type and version of the circuit-breaker.
• The following options are also available:
– key lock for open position
– key lock for open position of two or more circuit-breakers (using the same key for groups of circuit-breakers).

Stored-energy motor operator connectors (required)

Type circuit breaker	Voltage	Field kit catalog number S6	Field kit catalog number S7	
Fixed mounted	All	K6C-M	K7C-M	
Plug-in/Draw-out	All	K6C-MP	K7C-MP	

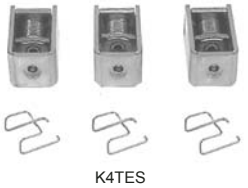
Electrical speci cations

V	120, 240 VAC ~ 50/60 Hz 24, 48, 125, 250 VDC –
P inrush	660 VA~/600W–
P normal	180 VA~/180W–
Close time	0.09 s
Open time	1.2 s
Reset time	2.0 s

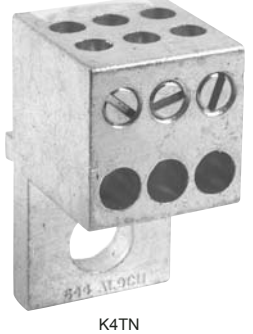
External accessories
Lugs and termination kits
S3 – S7


K4TB


K4ET-250


K4TES


K4TER


K4TN

Standard cable lug kits

For breakers	Amps①	Wire range	Set of 2 catalog number		Set of 3 catalog number	
S3	60	14AWG – 2AWG	K3TA-2		K3TA	
S3 – S4	100	14AWG – 1/0	K4TB-2		K4TB	
S3 – S4	150	2AWG – 4/0	K4TC-2		K4TC	
S3 – S4 – S5	225	4AWG – 300kcmil	K4TD-2		K4TD	
S4	250	6AWG – 350kcmil	K4TE-2		K4TE	
S5	300	250kcmil – 500kcmil	K5TF-2		K5TF	
S5	400	(2) 3/0 – 250kcmil	K5TG-2②		K5TG②	
S6	600	(2) 250kcmil – 500kcmil	K6TH-2		K6TH	
S6	800	(3) 2/0 – 400kcmil	K6TJ-2②		K6TJ②	
S7	1200	(4) 4/0 – 500kcmil	K7TK-2		K7TK	

Standard cable lugs, for use on line and load side of circuit breaker. Suitable for use with Cu or Al. Special versions available with taps and screws for control wire connection. Note: S6 and S7 lugs are Al9Cu (90°C); all others Al7Cu (75°C).

Standard cable lug kits with control power taps

For breakers	Amps①	Wire range	Set of 2 catalog number		Set of 3 catalog number	
S3 – S4	100	14AWG – 1/0	K4TB-2C		K4TBC	
S3 – S4	150	2AWG – 4/0	K4TC-2C		K4TCC	
S3 – S4 – S5	225	4AWG – 300kcmil	K4TD-2C		K4TDC	
S4	250	6AWG – 350kcmil	K4TE-2C		K4TEC	
S5	300	250kcmil – 500kcmil	K5TF-2C		K5TFC	
S5	400	(2) 3/0 – 250kcmil	K5TG-2C②		K5TGC②	
S6	600	(2) 250kcmil – 500kcmil	K6TH-2C		K6THC	
S6	800	(3) 2/0 – 400kcmil	K6TJ-2C②		K6TJC②	
S7	1200	(4) 4/0 – 500kcmil	K7TK-2C		K7TKC	

Extended front termination kits

Suitable for use with	Maximum amps	Set of 6 catalog number	
S3 – S4	250	K4ET-250	
S5	400	K5ET-400	
S6	630	K6ET-600	
S6	800	K6ET-800	
S7	1250	K7ET-1250	

For adding onto standard circuit breaker front terminals, extending available connection area for user termination. Suitable for spaded cable or bus connection. S3 – S5 include terminal covers.

Saddle cable lug kits (Cu cable only)

Suitable for use with	Max amps	Wire range	Set of 6 catalog number	
S3 – S4	250	14AWG – 250kcmil	K4TES	
S5	400	250kcmil – 500kcmil	K5TGS	

These special non-aluminum cable lugs are for use with copper cable. Lugs are intended for use with copper cable or where non-aluminum connectors are required (marine, salt or corrosive environments).

Rear cable lug kits (Cu cable only)

Suitable for use with	Max amps	Wire range	Set of 6 catalog number	
S3 – S4	250	6AWG – 250kcmil	K4TER	
S5	400	250kcmil – 500kcmil	K5TGR	
S6	600	(2) 2/0 – 350kcmil	K6THR	
S6	800	(3) 250kcmil – 350kcmil	K6TJR	

For use where cable connection from the back-rear of the breaker is desired.

Distribution cable lug kit

Suitable for use with	Max amps	Wire range	Set of 3 catalog number	
S3 – S4	250	(6) #14 - 6	K4TN	
S5	400	(6) #14 - 1/0	K5TGD	

① Suggested lugs for circuit breaker up to amps shown. Cable size and type determine maximum amperes.
② Includes required lug covers.

External accessories
Rotary and variable depth handle operators
S1 – S7


K5RH


OHB65J10


OHB95J10


OHB125J10


K5VD-M, K5VD-S12, K5VD-H

Rotary handle operating mechanism

Frame	Catalog number
S3 – S4 – S5	K5RH
S6	K6RH
S7	K7RH

Mounts directly onto breaker. Includes door interlock to prevent CB door opening while CB is in ON position. Padlock provision included to padlock CB in open position. Can also be key locked with optional cylinder lock assembly. Door interlock bracket must be ordered separately, if required. See page 15.62.

Variable depth rotary handles

New pistol type 1, 3R, 12

Frame	Catalog number mechanism	Shaft catalog number (length in inches)	Handle catalog number (length in inches)
S1	K2VD-M	OXP10X148 (5.8) OXP10X225 (8.9) OXP10X500 (19.7)	OHB45J10 (1.8) OHG45J10 (1.8) OHB65J10 (2.6) OHG65J10 (2.6)
S3–S4–S5	K5VD-M		OHB95J10 (3.7) OHG95J10 (3.7)
S6	K6VD-M		OHB125J10 (4.9) OHG125J10 (4.9)
S7	K7VD-M		OHB175J10 (6.9) OHG175J10 (6.9)

Pistol type 4, 4X

Frame	Catalog number mechanism	Shaft catalog number (length in inches)	Handle catalog number (length in inches)
S1	K2VD-M	OXP10X148 (5.8) OXP10X225 (8.9) OXP10X500 (19.7)	OHB45L10 (1.8) OHG45L10 (1.8) OHB65L10 (2.6) OHG65L10 (2.6)
S3–S4–S5	K5VD-M		OHB95L10 (3.7) OHG95L10 (3.7)
S6	K6VD-M		OHB125L10 (4.9) OHG125L10 (4.9)
S7	K7VD-M		OHB175L10 (6.9) OHG175L10 (6.9)

Square type 1

S1	K2VD-M		K2VD-H
S3–S4–S5	K5VD-M	K5VD-S12	K5VD-H
S6	K6VD-M	K7VD-S20	K7VD-H
S7	K7VD-M		K7VD-H

NOTE: Complete assembly requires a mechanism, shaft and handle.

Variable depth shaft support

For frames	Catalog number
S3 – S4 – S5	K5VD-LSS

New pistol handle catalog number explanation

OHB 125 J 10

- 10 — Shaft size (diameter in mm)
- J — J = Type 1, 3R, 12; L = Type 1, 3R, 4, 4X, 12
- 125 — Physical size (length in mm)
- OHB — Color: B = black, G = gray, Y = yellow / red

External accessories
Flange handle operators
S1 – S6


K7FHD-HS12

Flange handle
Solid shaft linkage

Breaker	NEMA type	Complete handle kit		Mechanism only		Shaft only	Shaft length		Handle only	
S1	1,3R,12	K2FHD-12S12 K2FHD-17S12 K2FHD-22S12		K2FHD-M		K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS12	
	4, 4X	K2FHD-12S4 K2FHD-17S4 K2FHD-22S4				K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS4	
S3	1,3R,12	K3FHD-12S12 K3FHD-17S12 K3FHD-22S12		K3FHD-M		K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS12	
	4, 4X	K3FHD-12S4 K3FHD-17S4 K3FHD-22S4				K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS4	
S4	1,3R,12	K4FHD-12S12 K4FHD-17S12 K4FHD-22S12		K4FHD-M		K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS12	
	4, 4X	K4FHD-12S4 K4FHD-17S4 K4FHD-22S4				K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS4	
S5	1,3R,12	K5FHD-12S12 K5FHD-17S12 K5FHD-22S12		K5FHD-M		K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS12	
	4, 4X	K5FHD-12S4 K5FHD-17S4 K5FHD-22S4				K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS4	
S6	1,3R,12	K6FHD-12S12 K6FHD-17S12 K6FHD-22S12		K6FHD-M		K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS12	
	4, 4X	K6FHD-12S4 K6FHD-17S4 K6FHD-22S4				K7FHD-S12 K7FHD-S17 K7FHD-S22	12 17 22.5		K7FHD-HS4	

Available as complete kits including ange handle, shaft and breaker operating mechanism. Mechanism mounts directly onto breaker and shaft can be cut to the desired length for the breaker enclosure. Door is interlocked with the handle when the breaker is in the closed (ON) position; handles include interlock defeater for emergency override. Handle can be padlocked in the open (OFF) position. Can be eld converted for left hand mounting.

Door hardware kits — Solid shaft linkage & S1 - S2 Cable operated

Item	Catalog number	
Door hardware kit, right hand, 2 point latch for enclosures less than 40 inches high Roller for 3 point latch, add to FH-DHK	FH-DHK FH-3RL	

Enclosure depths
Minimum

Breaker	Depth (inches)
S1	8
S3 - S5	10
S6	11

Maximum

For maximum depth, add 4 inches to the shaft length

① Cable not included.

External accessories
Flange handle operators
S1 – S7

K7FCH

Flange handle
Cable linkage

Breaker	NEMA type	Mechanism only		Cable only	Cable length		Handle only	
S1	1,3R,12	K2FHDC-M		K6FHDC-036 K6FHDC-060	36”(91cm) 60”(152cm)		K7FHD-HS12	
	4, 4X	K2FHDC-M		K6FHDC-036 K6FHDC-060	36”(91cm) 60”(152cm)		K7FHD-HS4	
S3-S4	1,3R,12	K4FPM		K5C036 K5C048 K5C060 K5C072 K5C084 K5C096 K5C108 K5C120	36” (91cm) 48” (122cm) 60” (152cm) 72” (183cm) 84” (213cm) 96” (244cm) 108" (274cm) 120" (305cm)		K5FCH	
	4, 4X	K4FPM					K5FCH4	
S5	1,3R,12	K5FPM					K5FCH	
	4, 4X	K5FPM					K5FCH4	
S6	1,3R,12	K6FPM		K7C048 K7C060 K7C072 K7C084 K70096 K7C120	48” (122cm) 60” (152cm) 72” (183cm) 84” (213cm) 96” (244cm) 120” (305cm)		K7FCH	
	4, 4X	K6FPM					K7FCH4	
S7	1,3R,12	K7FPM					K7FCH	
	4, 4X	K7FPM					K7FCH4	

Notes: For complete assembly; mechanism, cable and handle are required.
All cables mount onto the right side of the breaker.
Handle can be mounted on the right or left side.

Door hardware kits — S3 - S7 Cable operated

Item	Catalog number	
Door hardware kit, right hand, 2 point latch for enclosures less than 40 inches high	KDH2R	
Door hardware kit, right hand, 3 point latch for enclosures 40 inches high or greater	KDH3R	

Enclosure depths
Minimum

Breaker	Depth (inches)
S1 - S6	8
S7	10

Maximum
Maximum depth is determined by cable length.

External accessories
S1 – S7

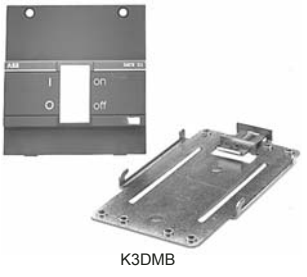
K5LD


K7KL


K6LC


K6LCH


K6LC-S



K3DMB

Front locking device

Item	Catalog number
S1	K1LD
S3 – S4 – S5	K5LD
S6	K6LD
S7	K7LD
S3 – S4 – S5	K5LDW ①
S6	K6LDW ①
S7	K7LDW ①

Mounts directly onto front of CB. Includes padlock device for locking CB in open position. Can be used as a manual handle block, with padlock or with optional key lock accessory. Optional door interlock kit that will prevent CB door from opening while CB is in the closed (ON) position.

Door interlock bracket

Item	Catalog number S3 – S7
Bracket	K7DB

Key locks

Accessory	Keys	Catalog number S3 – S4 – S5	Catalog number S6 – S7
Electric operator	different	K5KL-EO	K7KL-EO
	same	K5KL-EO-2	K7KL-EO-2
Rotary HM & locking device	different	K7KL	K7KL
	same	K7KL-2	K7KL-2

Keyed cylinder locks are available for mounting onto Isomax electric operators, rotary handle mechanisms and front locking devices. Key locks can be for one individual circuit breaker (different keys in each order) or for two circuit breakers using the same key.

Terminal covers for xed circuit breakers

Frame	Low pro le catalog number	High pro le catalog number	
S1	K1LC	K1LCH	
S3 – S4	K4LC	K4LCH	
S5	K5LC	K5LCH	
S6	K6LC	K6LCH	
S7	K7LC	—	—

Both high and low types are available for xed circuit-breakers. Covers provide IP40 degree of protection for xed mounted circuit breakers. Lug covers are required and included as standard with S5 **400A** and S6 **800A** cable lug kits. Covers up to S6 can be sealed with lug cover seal shown in next section.

Terminal cover seals

Suitable for use with breakers	Used with LC covers
S3 – S4 – S5 – S6	K6LC-S

These screws prevent the terminal covers from being removed.

DIN rail mounting kits

Suitable for use with breakers	Catalog number
S1	K1DMB
S3	K3DMB
S4	K4DMB
S5	K5DMB

Kit consists of mounting bracket to x S3-S5 breakers onto **75mm DIN rail (EN 50023 rail)** and includes 45mm high front face plate to match up with miniature circuit breakers and manual motor starters. S1 breaker mounts on 35mm DIN rail.

Mechanical interlock plate

Frame	Horizontal catalog number	Vertical catalog number
S3	K3MI-H	K3MI-V
S4	K4MI-H	K4MI-V
S5	K5MI-H	K5MI-V
S6	K6MI-H	K6MI-V
S7	K7MI-H	K7MI-V

Provides for mounting of two similar breakers on a single mounting plate. CBs are interlocked via a “walking beam” type interlock, preventing breakers from being ON or closed at the same type. Both breakers can be OFF or tripped. MIP is available in two versions, one with breakers mounted horizontally and then also a version for vertical mounting of breakers.

① Required for drawout breakers.

Accessories
S1 – S7
IEC


K4RC


Rear plug-in & drawout circuit breakers

K7TUT

Rear connected stud kits①

For breakers	Max. amps	Set of 6 catalog number	
S3 – S4	250	K4RC	
S5	400	K5RC	
S6	800	K6RC	
S7	1200	K7RC	

Provides means to connect breakers directly onto rear bus bars.

Rear plug-in and draw-out circuit breakers

Isomax breakers are available in both rear plug-in and complete draw-out con gurations. Plug-in breakers can be rear bus, front bus or front cable connected and are available up to the S5 400A size. The draw-out con guration uses a unique racking system and is available for all breakers from S3 through S7.

Plug-in (3 pole)①

	Separate kits xed and movable						Complete plug-in kits Includes both xed and movable portion			
	Movable kit		Fixed base kit							
Frame	Movable		Front bus		Rear conn.		Front bus		Rear conn.	
S1	K1PMK		K1PFC②		K1PFR		K1PC②		K1PR	
S3	K4PMK		K3PFF		K3PFR		K3PF		K3PR	
S4	K4PMK		K4PFF		K4PFR		K4PF		K4PR	
S5	K5PMK		K5PFF		K5PFR		K5PF		K5PR	

Draw-out (3 pole) ①③

	Separate kits xed and movable						Complete draw-out kits Includes both xed and movable portion			
	Movable kit		Fixed base kit							
Frame	Movable		Front bus		Rear conn.		Front bus		Rear conn.	
S3	K4WMK		K3WFF		K3WFR		K3WF		K3WR	
S4	K4WMK		K4WFF		K4WFR		K4WF		K4WR	
S5	K5WMK		K5WFF		K5WFR		K5WF		K5WR	
S6 Horiz	K6WMK		K6WFF		K6WFR-H		K6WF		K6WR-H	
S6 Vert	K6WMK		K6WFF		K6WFR-V		K6WF		K6WR-V	
S7 Horiz	K7WMK		K7WFF		K7WFR-H		K7WF		K7WR-H	
S7 Vert	K7WMK		K7WFF		K7WFR-V		K7WF		K7WR-V	

Movable kit = parts needed to modify standard CB to movable type.
Fixed base kit = x mount onto panel.
Ext Fr bus = xed base with line and load side extended front bus connectors. (FF)
Rear Conn. = xed base with line and load side rear bus connectors. (FR)
Complete kit = includes all parts required for plug-in or draw-out connection; does not include CB.
Plug-in = open breaker can be physically removed from xed base without disconnecting cable or bus from xed base. (P)
Draw-out = also known as withdrawable, breaker can be removed from xed base via a through the door crank. Includes ON, TEST and OFF position. (W)

Four pole versions (plug-in and/or draw-out)

Take the above list prices times 1.35 for four (4) pole versions and add "-4" to the end of the catalog number.

Draw-out crank

Isomax frames	Catalog number	
S1 – S7	K7WCR	

Cable termination kits (3 pole only)①

Compression type cable lug kit used to modify extended front bus connectors for direct cable connection.

Frame	Set of 6	
S3	K4FCT	
S4	K4FCT	
S5	K5FCT	

Hand-held test kit (for all electronic trip types)

Isomax frames	Catalog number	
S4 – S5 – S6 – S7	K7TUT	

Isomax hand-held test kit is used to both test and exercise microprocessor trip units in breakers S4 through S7. Unit includes test forks that insert into the test plugs on all Isomax microprocessor trip units. Tester generates 15VDC signal that performs diagnostic on electronic trip functions and will con rm test by tripping the CB. Will not test S3 nor any molded case switch versions.

① IEC ratings only.
② Front cable connection.
③ Requires front locking device to prevent drawout while breaker is closed.