

■ CIRCUIT BREAKER 3/4-POLE UP TO 1600A WITH ELECTRONIC RELEASE TYPES MC4N-AE, MC4H-AE, MC4N-4-AE, MC4H-4-AE



MC463232

■ SCHRACK INFO

- System and line protection
- 3 and 4 pole versions
- RMS value and “thermal memory”
- Adjustable overload release I_r: 0,5 – 1 x I_n (factory setting 0,8 x I_n)
- Adjustable short-circuit release I_s: 2 – 12 x I_n (factory setting 6 x I_n)
- Breaking capacity 50 / 85 kA at 415 V 50/60 Hz
- Screw terminals as standard
- Rated uninterrupted current = rated current

RATED CURRENT/ BREAKING CAPACITY	SETTING RANGE		TYPE	ORDER NO.
	OVERLOAD- RELEASE (A)	SHORT CIRCUIT- RELEASE (A)		
3 POLE (NORMAL BREAKING CAPACITY) 50 kA				
630 A/50 kA	315...630	1260...7560	MC4N-AE630	MC463232
800 A/50 kA	400...800	1600...9600	MC4N-AE800	MC480232
1000 A/50 kA	500...1000	2000...12000	MC4N-AE1000	MC410232
1250 A/50 kA	630...1250	2500...15000	MC4N-AE1250	MC412232
1600 A/50 kA	800...1600	3200...19200	MC4N-AE1600	MC416232
3 POLE (HIGH BREAKING CAPACITY) 85 kA				
630 A/85 kA	315...630	1260...7560	MC4H-AE630	MC463332
800 A/85 kA	400...800	1600...9600	MC4H-AE800	MC480332
1000 A/85 kA	500...1000	2000...12000	MC4H-AE1000	MC410332
1250 A/85 kA	630...1250	2500...15000	MC4H-AE1250	MC412332
1600 A/85 kA	800...1600	3200...19200	MC4H-AE1600	MC416332
4 POLE (NORMAL BREAKING CAPACITY) 50 kA				
630 A/50 kA	315...630	1260...7560	MC4N-4-AE630	MC463242
800 A/50 kA	400...800	1600...9600	MC4N-4-AE800	MC480242
1000 A/50 kA	500...1000	2000...12000	MC4N-4-AE1000	MC410242
1250 A/50 kA	630...1250	2500...15000	MC4N-4-AE1250	MC412242
1600 A/50 kA	800...1600	3200...19200	MC4N-4-AE1600	MC416242
4 POLE (HIGH BREAKING CAPACITY) 85 kA				
630 A/85 kA	315...630	1260...7560	MC4H-4-AE630	MC463342
800 A/85 kA	400...800	1600...9600	MC4H-4-AE800	MC480342
1000 A/85 kA	500...1000	2000...12000	MC4H-4-AE1000	MC410342
1250 A/85 kA	630...1250	2500...15000	MC4H-4-AE1250	MC412342
1600 A/85 kA	800...1600	3200...19200	MC4H-4-AE1600	MC416342

Higher breaking capacity available upon request

■ CIRCUIT BREAKER 3-/4 POLE UP TO 2000A WITH DELAYED ELECTRONIC RELEASE TYPES MC4N-VE, MC4H-VE, MC4N-4-VE, MC4H-4-VE



MC480233

■ SCHRACK INFO

- System and line protection
- Selective and generator protection
- 3 and 4 pole versions
- Rated uninterrupted current = rated current

■ TECHNICAL DATA

- RMS value and “thermal memory”
- Adjustable overload release I_r :
0,5 – 1 x I_n (factory setting 0,8 x I_n)
- Adjustable time delay setting to overcome current peaks t_r :
2 – 20 s at 6 x I_r as well as infinity
- Adjustable delayed short-circuit releases I_{sd} :
2 – 10 x I_r (factory setting 6 x I_r)
- Adjustable time delay t_{sd} : Levels: 0, 20, 60, 100, 200, 300, 500, 750, 1000 ms (factory setting 0)
- Adjustable not-delayed short-circuit release I_i :
2 – 12 x I_n (factory setting 12 x I_n)
- Switchable i^2t constant function (factory setting: OFF)
- MC4.-VE...: 2 – 12 x I_n (factory setting 12 x I_n)
- MC4.-VE2000: 2 – 8x I_n (factory setting 8 x I_n)
- 2000A cannot be combined with withdrawable units

RATED CURRENT/ BREAKING CAPACITY	SETTING RANGE			TYPE	ORDER NO.
	OVERLOAD- RELEASE (A)	SHORT-CIRCUIT NOT DELAYED (A)	RELEASE DELAYED (A)		
3 POLE (NORMAL BREAKING CAPACITY) 50 kA / 35 kA					
630 A/50 kA	315...630	1260...7560	630...6300	MC4N-VE630	MC463233
800 A/50 kA	400...800	1600...9600	800...8000	MC4N-VE800	MC480233
1000 A/50 kA	500...1000	2000...12000	1000...10000	MC4N-VE1000	MC410233
1250 A/50 kA	630...1250	2500...15000	1250...12500	MC4N-VE1250	MC412233
1600 A/50 kA	800...1600	3200...19200	1600...16000	MC4N-VE1600	MC416233
2000 A/35 kA AC1 at 690 VAC	1000...2000	4000...16000	2000...12000	MC4N-VE2000	MC420233

3 POLE (HIGH BREAKING CAPACITY) 85 kA / 35 kA

630 A/85 kA	315...630	1260...7560	630...6300	MC4H-VE630	MC463333
800 A/85 kA	400...800	1600...9600	800...8000	MC4H-VE800	MC480333
1000 A/85 kA	500...1000	2000...12000	1000...10000	MC4H-VE1000	MC410333
1250 A/85 kA	630...1250	2500...15000	1250...12500	MC4H-VE1250	MC412333
1600 A/85 kA	800...1600	3200...19200	1600...16000	MC4H-VE1600	MC416333
2000 A/35 kA AC1 at 690 VAC	1000...2000	4000...16000	2000...12000	MC4H-VE2000	MC420333

4 POLE (NORMAL BREAKING CAPACITY) 50 kA

630 A/50 kA	315...630	1260...7560	630...6300	MC4N-4-VE630	MC463243
800 A/50 kA	400...800	1600...9600	800...8000	MC4N-4-VE800	MC480243
1000 A/50 kA	500...1000	2000...12000	1000...10000	MC4N-4-VE1000	MC410243
1250 A/50 kA	630...1250	2500...15000	1250...12500	MC4N-4-VE1250	MC412243
1600 A/50 kA	800...1600	3200...19200	1600...16000	MC4N-4-VE1600	MC416243

4 POLE (HIGH BREAKING CAPACITY) 85 kA

630 A/85 kA	315...630	1260...7560	630...6300	MC4H-4-VE630	MC463343
800 A/85 kA	400...800	1600...9600	800...8000	MC4H-4-VE800	MC480343
1000 A/85 kA	500...1000	2000...12000	1000...10000	MC4H-4-VE1000	MC410343
1250 A/85 kA	630...1250	2500...15000	1250...12500	MC4H-4-VE1250	MC412343
1600 A/85 kA	800...1600	3200...19200	1600...16000	MC4H-4-VE1600	MC416343

■ MOTOR PROTECTION, 3 POLE UP TO 1400A WITH ELECTRONIC RELEASE TYPES MC4N-ME, MC4H-ME



MC480233

■ SCHRACK INFO

- Adjustable overload release I_l : $0,5 - 1 \times I_n$ (factory setting $0,8 \times I_n$)
- Adjustable short-circuit release I_s : $2 - 14 \times I_n$ (factory setting $12 \times I_n$)
- Adjustable time delay setting to overcome current peaks t : $2 - 20$ s at $6 \times I_l$, as well as infinity (without overload release), (factory setting 10 s)
- RMS value and "thermal memory"
- Phase sensitivity
- Screw terminals as standard, box terminals as accessories
- Meets IEC/EN 60947-4 and IEC/EN 60947-2
- Circuit breakers satisfy all requirements of Utilization category AC3 at 400V AC

■ NOTES

- ¹⁾ Rated operational voltage/current at 690 V AC:
 MC4-ME550: $P_e = 560$ kW; $I_e = 550$ A
 MC4-ME875: $P_e = 600$ kW; $I_e = 588$ A
 MC4-ME1400: $P_e = 600$ kW; $I_e = 588$ A

NOMINAL CURRENT/ BREAKING CAPACITY	POWER RATING AC3 kW	CURRENT AC3 A	SETTING RANGE		TYPE	ORDER NO.
			OVERLOAD- RELEASE (A)	SHORT CIRCUIT- RELEASE (A)		
3 POLE (NORMAL BREAKING CAPACITY) 50 kA						
550 A/50 kA	315 ¹⁾	544 ¹⁾	275...550	550...7700	MC4N-ME550	MC455237
875 A/50 kA	500 ¹⁾	820 ¹⁾	438...875	875...12250	MC4N-ME875	MC487237
1400 A/50 kA	630 ¹⁾	1066 ¹⁾	700...1400	1400...19600	MC4N-ME1400	MC414237
3 POLE (HIGH BREAKING CAPACITY) 85 kA						
550 A/85 kA	315 ¹⁾	544 ¹⁾	275...550	550...7700	MC4H-ME550	MC455337
875 A/85 kA	500 ¹⁾	820 ¹⁾	438...875	875...12250	MC4H-ME875	MC487337
1400 A/85 kA	630 ¹⁾	1066 ¹⁾	700...1400	1400...19600	MC4H-ME1400	MC414337

SWITCH DISCONNECTOR 3-/4 POLE UP TO 1600A, REMOTE TRIP POSSIBLE TYPES MC4-N, MC4-N-4



MC480233

SCHRACK INFO

- 3 and 4 pole versions
- Main switch characteristics including positive drive according to IEC/EN 60204 & VDE 0113
- Isolating characteristics to IEC/EN 60947-3 and VDE 0660 Protection against accidental contact to VDE 0160 Part 100
- Rated uninterrupted current up to 1600A
- Switch disconnecter MC4-N, with trip setting "0"; "+"; "I", can be tripped remotely with undervoltage-/shunt release, trip-indicating auxiliary contacts also possible
- Can be combined with remote operator MC-XR...
- Screw terminals as standard
- Rated uninterrupted current = Rated current
- Rated short-circuit breaking capacity values: I_{cm} 53kA
- Rated short-time withstand current: I_{cw} 25kA

RATED UNINTERRUPTED CURRENT	MAX. BACK-UP FUSE (gL) FOR SWITCH DISCONNECTOR (AgL)	TYPE	ORDER NO.
3 POLE CAN BE TRIPPED REMOTELY			
800 A	1600	MC4-N-800	MC480035
1000 A	1600	MC4-N-1000	MC410035
1250 A	1600	MC4-N-1250	MC412035
1600 A	1600	MC4-N-1600	MC416035
4 POLE CAN BE TRIPPED REMOTELY			
800 A	1600	MC4-N-4-800	MC480045
1000 A	1600	MC4-N-4-1000	MC410045
1250 A	1600	MC4-N-4-1250	MC412045
1600 A	1600	MC4-N-4-1600	MC416045

SOCKET BASE AND WITHDRAWABLE MODULE FOR MC4



MC396707



MC396707

SCHRACK INFO

- 3- and 4 pole versions
- for MC4 circuit breakers and MC4-N switch disconnectors

TECHNICAL DATA

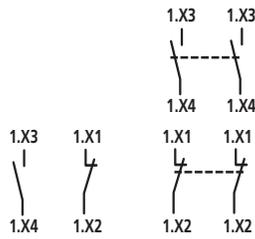
- Withdrawable unit complete with control circuit plug unit
- I_n max. at 20° C – 1600A
- I_n max. at 40° C – 1500A
- Mounting position: vertical
- 3 positions: Retracted, test, extended. The 3 positions are indicated mechanically.
- Auxiliary contacts can also be used for remote signaling. Either one N/C or N/O contact per position.
- All connections of auxiliary switches (HIA, HIN, HIV) and undervoltage and shunt releases to the control circuit plug units come pre-fitted.
- **Withdrawable module only available in combination with switch.**
- Add A to switch part number (MC340232A), comes supplied ready for use with withdrawable units.
- Socket base can be ordered separately and supplied pre-assembled.

DESCRIPTION	TYPE	ORDER NO.
SOCKET BASE		
Socket base, 3 pole	MC4-XAVS	MC496713
Socket base, 4 pole	MC4-4-XAVS	MC496714
WITHDRAWABLE MODULE		
Withdrawable module, 3 pole, supplied with switch, add an A to end of switch part number		
Withdrawable module, 4 pole, supplied with switch, add an A to end of switch part number		

STANDARD AUXILIARY CONTACT / TRIP-INDICATING AUXILIARY CONTACT TYPE M22



MM216378



SCHRACK INFO

- Switches with the main contacts, used for indicating and interlocking tasks
- General trip indication "+" with trip due to voltage release, overload release or short-circuit-release

TECHNICAL DATA

Breaking capacity: AC15: 4 A / 230 VAC
DC13: 3 A / 24 VDC
DC13: 0,3 A / 220 VDC

TIPS & TRICKS

The trip-indicating auxiliary contacts is the same contact as the standard auxiliary contact. It derives its function from where it is installed (alarm contact on left).

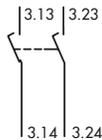
Maximum component installation with auxiliary contacts: 1 x Standard auxiliary contact (HIN) M22-K.
1 x Trip-indicating contact (HIA) M22-CK.

DESCRIPTION	TYPE	ORDER NO.
1 NO contact with screw terminals	M22-K10	MM216376
1 NC contact with screw terminals	M22-K01	MM216378
2 NO contacts with cage clamp terminals	M22-CK20	MM107898
2 NC contacts with cage clamp terminals	M22-CK02	MM107899
1 NO + 1 NC contact with cage clamp terminals	M22-CK11	MM107940

EARLY-MAKE AUXILIARY CONTACT TYPE MC4-XHIV



MC496172



SCHRACK INFO

For interlock- and load-shedding circuits as well as for early make of undervoltage release in main switch/Emergency stop applications.

TECHNICAL DATA

- Not in connection with undervoltage release MC4-XU... or shunt release MC4-XA... Early-make during switch on and off (manual switch): approx. 20 ms
- Not in connection with remote operator MC-XR
Undervoltage- or shunt voltage releases
- Breaking capacity: AC15: 4 A / 230 VAC
DC13: 3 A / 24 VDC
DC13: 0,3 A / 220 VDC

TIPS & TRICKS

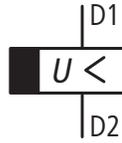
Maximum component installation with auxiliary contacts: 1 x early-make auxiliary contact

DESCRIPTION	TYPE	ORDER NO.
Early-make auxiliary contact, 2 NO	MC4-XHIV	MC496172

■ UNDERVOLTAGE RELEASE TYPES MC4-XU



MC496189



■ SCHRACK INFO

- For use in Emergency stop devices in connection with Emergency stop buttons
- Installed in breaker
- Without auxiliary contact
- Non-delayed breaking of circuit breaker MC/ switch disconnecter MC-N when the control voltage drops below 35 % - 70% Us.

■ TIPS & TRICKS

When the undervoltage release is de-energized, accidental contact with the main contacts of the switch is safely prevented during attempts to switch on. Undervoltage releases cannot be installed at the same time with operating current releases or early-make auxiliary contact, type MC4-XHIV.

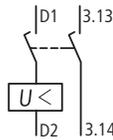
VOLTAGE	TYPE	ORDER NO.
24 VAC	MC4-XU24AC	MC496189
24 VDC	MC4-XU24DC	MC496204
110-130 VAC	MC4-XU110-130VAC	MC496192
208-240 VAC	MC4XU208-240AC	MC496193
220-250 VDC	MC4-XU220-250VDC	MC496208
380-440 VAC	MC4-XU380-440AC	MC496194

Other voltage variants available upon request.

■ UNDERVOLTAGE RELEASE WITH TWO EARLY-MAKE AUXILIARY CONTACTS TYPES MC4-XHIV



MC496221



■ SCHRACK INFO

- With 2 early-make auxiliary contacts
- For early-make of the undervoltage release in main switch applications and for interlock- and load-shedding circuits
- Installed in breaker
- Other voltages and connection versions available on request

■ TIPS & TRICKS

When the undervoltage release is de-energized, accidental contact with the main contacts of the switch is safely prevented during attempts to switch on. Early-make of auxiliary contacts during switch on and off (20ms). Undervoltage releases cannot be installed at the same time with operating current releases or early-make auxiliary contact, type MC4-XHIV.

VOLTAGE	TYPE	ORDER NO.
208 - 240 VAC	MC4-XUHIV230VAC	MC496221
380 - 440 VAC	MC4-XUHIV400VAC	MC496222

Other voltage variants available upon request.

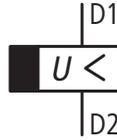
UNDERVOLTAGE RELEASE, OFF-DELAY TYPES MC4-UVU, MC4-XUV



MC196154



MC299499



SCHRACK INFO

- Voltage drops less than 0,07–16 s do not cause MC circuit breakers or N switch disconnectors to trip.

TECHNICAL DATA

- Time-delay adjustable between 70 ms – 4 s
- With additional external capacitor:
30.000 μ F \geq 35 V to 8 s
90.000 μ F \geq 35 V to 16 s
- Special release MC4-XUVL is required.
- Cannot be installed at same time with early-make auxiliary contact MC4-XHIV... or operating current trip MC4-XA....
- Time-delay device for separate assembly (fixing: Top-hat rail or screws).
- For other operating voltages, please use a control transformer.

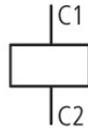
DESCRIPTION	TYPE	ORDER NO.
Time-delay unit	MC4-UVU	MC190154
Special undervoltage release for time-delay unit MC4	MC4-XUV	MC496588

Other voltage variants available upon request.

SHUNT RELEASE TYPES MC4-XA



MC496451



SCHRACK INFO

- Without auxiliary contact
- Switches are tripped by a voltage pulse or by the application of uninterrupted voltage

TECHNICAL DATA

When the shunt release is energized, accidental contact with the main contacts of the switch is safely prevented during attempts to switch on. Undervoltage releases cannot be installed at the same time with under-voltage release or early-make auxiliary contact, type MC4-XHIV.

VOLTAGE	TYPE	ORDER NO.
24 VAC/DC	MC4-XA24AC/DC	MC496447
110-130 VAC/DC	MC4-XA110-130VACDC	MC496450
208 - 250 VAC/DC	MC4-XA230AC/DC	MC496451

Other voltage variants available upon request.

REMOTE OPERATOR FOR MC4



MC496685

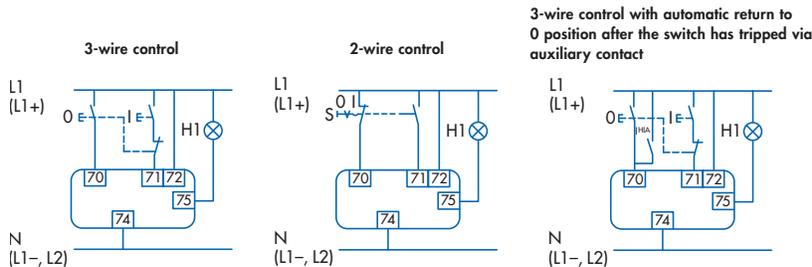
SCHRACK INFO

- Remote operator can be combined with circuit breaker MC and switch disconnecter MC-N, but not with switch disconnecter MC-PN.
- Do not switch off switch simultaneously via remote control and release via undervoltage/shunt release.
- 1 standard auxiliary contact M22 necessary (included).

TECHNICAL DATA

- On/Off breaking and reset by means of 2-wire or 3-wire control.
- Can be synchronized
- Breaking time On: ≤ 100 ms
- Local manual breaking possible
- Pause between Off and On: 3 sec.
On command is ignored
- Function of Terminal 75:
Ready for operation signal, when cover is closed and not locked.
AC-15: 2 A/400 V
DC-13: 0,2 A/220 V

CIRCUIT DIAGRAMS



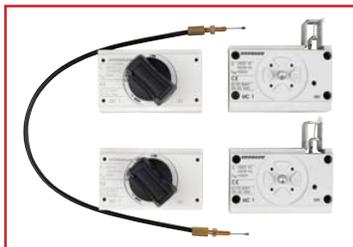
BREAKING CYCLE



VOLTAGE	TYPE	ORDER NO.
208 - 240 V AC	MC4-XR208-240AC	MC496685

Other voltage variants available upon request.

MECHANICAL INTERLOCK FOR (DOOR COUPLING) ROTARY HANDLES FOR MC4



MC491584

SCHRACK INFO

Rotary handle on switch or door coupling rotary handle additionally required.

Cannot be combined with remote operator or insulating surround.

At least 2 interlocking modules are required in order to construct a mechanical interlocking circuit. See Page 142 for possible combinations and variations in interlocking circuits. Bowden cable to be ordered separately.

DESCRIPTION	TYPE	ORDER NO.
Mechanical interlock	MC4-XMV	MC491584
Bowden cable 225 mm	MC-XBZ225	MC191585
Bowden cable 600 mm	MC-XBZ600	MC191586
Bowden cable 1000 mm	MC-XBZ1000	MC191587

MECHANICAL INTERLOCK FOR REMOTE OPERATOR FOR MC4



MC294543



MC494547 - montiert

SCHRACK INFO

- For 2 switches of the same or next frame size side by side
- Side-by-side mounting
- Mounted on top of each other, long version
- Contains parts for 2 switches
- Remote operator also required
- For maximum breaking distance, see Page 143

NOTES

Cannot be combined with rotary handles, door coupling rotary handles and early-make auxiliary contacts.

DESCRIPTION	TYPE	ORDER NO.
Mechanical interlock for MC4	MC4-XMVR	MC494547
Mechanical interlock for MC4, long version	MC4-XMVRL	MC494552
Mechanical interlock for MC3/4	MC3/4-XMVR	MC394546
Mechanical interlock for MC3/4, long version	MC3/4-XMVRL	MC394551

ROTARY HANDLE DIRECTLY ON SWITCH FOR MC4



MC496608

SCHRACK INFO

- Complete with rotary drive
- Can also be combined with door frame

TECHNICAL DATA

Available in the following versions:

Type MC.-XDV

Lockable in the "0" position (up to three padlocks), black/grey

Type MC.-XDVR

Lockable in the "0" position (up to three padlocks), Emergency stop red/yellow

Type MC.-XDTV

Lockable in the "0" position on handle, modification also available in "1" position, black/grey

Type MC.-XDTV

Lockable in "0" position, Emergency Stop red/yellow

Version comes with door interlock:

- Door frame supplier with door interlock
- Rotary handle can be rotated 90° for switches mounted horizontally
- In the ON position, can be defeated from the outside using a 1 mm pin
- Cannot be defeated in the locked OFF and ON positions
- Door can be opened in OFF
- Can only be switched on when door closed

DESCRIPTION	TYPE	ORDER NO.
Lockable rotary handle for MC4, black/grey	MC4-XDV	MC496608
Lockable rotary handle for MC4, Emergency stop red/yellow	MC4-XDVR	MC496610

MAIN-SWITCH-SET FOR MC4

SCHRACK INFO

Set includes:

- Door coupling rotary handle (see below)
- Extension shaft -XV4 (page 73)
- Frontside warning plate
- Sticker with warning symbol "lightning"

DESCRIPTION	TYPE	ORDER NO.
Main-switch-set for MC4 with door interlock, Emergency stop red/yellow	MC4-XHBR	MC491842

DOOR COUPLING ROTARY HANDLE FOR MC4



MC494614



MC494614



MC494614

SCHRACK INFO

- Complete including rotary drive and coupling parts
- Degree of Protection IP66
- Rotary handle can be rotated 90° for switches mounted horizontally
- Cannot be defeated in the locked OFF and ON positions
- Can be modified when in the unlocked ON position, can be defeated from the outside with a screwdriver
- Door can be opened in OFF
- External warning plate/designation plate can be clipped on

NOTES

- Order extension shaft separately!

TECHNICAL DATA

Available in the following versions:

Type MC.-XTVD

Lockable in the "0" position on handle with up to three padlocks, with door interlock, black/grey

Type MC.-XTVDV

Lockable in the "0" position on handle and switch, with up to three padlocks, with door interlock, black/grey

Type MC.-XTVDVR

Lockable in the "0" position on handle and switch with up to three padlocks, with door interlock, Emergency stop red/yellow

DESCRIPTION	TYPE	ORDER NO.
Door-coupling rotary handle for MC4 with door interlock, lockable, black/grey	MC4-XTVD	MC496614
Door coupling rotary handle for MC4 with door interlock, lockable, "0", "1", black/grey	MC4-XTVDV	MC496616
Door coupling rotary handle for MC4 with door interlock, lockable, Emergency stop red/yellow	MC4-XTVDVR	MC496618

EXTENSION SHAFT FOR MC4



MC391234

SCHRACK INFO

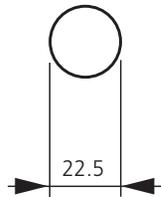
- For maximum cabinet depths of 400 or 600 mm
- Can be cut to required length

DESCRIPTION	CABINET DEPTH	TYPE	ORDER NO.
Extension shaft for MC4	max. 400 mm	MC3/4-XV4	MC391234
Extension shaft for MC4	max. 600 mm	MC3/4-XV6	MC390193

TUNNEL TERMINAL FOR MC4



MC496836



SCHRACK INFO

- Installed external to switch housing
- Contains parts for one switch side located at top or bottom for 3 pole switches
- Comes with terminal for control circuit cabling as standard for copper conductors, 1 x 0,75 – 2,5 mm², or 2 x 0,75 – 1,5 mm²
- Terminal capacities:
Cu/Al cable 1 x 50 – 240 mm², 4 x 50 – 240 mm²
- Terminal cover MC4(-4)-XKSA included

TECHNICAL DATA

- For Cu- and Al cables, max. 1400A
- Terminal cover included
- Stranded round conductor / stranded sector-shaped conductor

DESCRIPTION	TYPE	ORDER NO.
Tunnel terminal 4 x 240 mm ² , 3-pole for MC4	MC4-XKA	MC496836
Tunnel terminal 4 x 240 mm ² , 4-pole for MC4	MC4-4-XKA	MC496837

RIBBON CABLE FOR MC4



MC496829

SCHRACK INFO

- $I_n \leq 1100$ A
- When mounting switch on conductive mounting plates you must use supplied cover plate MC4(-4)-XKSA
- Use phase separator plates
- Contains parts for one switch side, top or bottom

DESCRIPTION	TYPE	ORDER NO.
Flat conductor terminal, 3 pole for MC4/MC4-N	MC4-XKB	MC496829
Flat conductor terminal, 4 pole for MC4-4/MC4-N-4	MC4-4-XKB	MC496831

CABLE LUG FOR MC4



MC299776

SCHRACK INFO

- Special cable lug in slimline design
- Cable lugs must be insulated when using without a cover plate.

DESCRIPTION	TYPE	ORDER NO.
Cable lug 185 mm ² , for MC4	MC3/4-XKS185	MC390040
Cable lug 240 mm ² , for MC4	MC3/4-XKS240	MC390041

REAR CONNECTION FOR MC4



MC396792

SCHRACK INFO

- Contains parts for one switch side, top or bottom
- Can be retrofitted:
Module plate MC4...-XKM... or connection width extension MC4-...-XKV...
- Max. terminal capacities 1250A:
Copper cable lug 1 x 120 – 185 mm², 2 x 95 – 185 mm², 4 x 35 – 185 mm²
Al cable lug 1 x 185 mm², 2 x 70 – 185 mm², 4 x 50 – 185 mm²

DESCRIPTION	TYPE	ORDER NO.
Rear connection, 3-pol. for MC4	MC4-XKR	MC496842

MODULE PLATE FOR MC4



MC496814



MC496820



MC494473

SCHRACK INFO

- For M10 screws, can be bored for M12 screws
- Use special cable lugs in slimline design
- Can be mounted to switch with screw connection
- Contains parts for one switch side, top or bottom
- Insulated using cover plate MC4(-4)-XKSA or phase isolator MC4(-4)-XKP necessary

TECHNICAL DATA

- Terminal capacities, 1 bore: Copper cable lug 1 x 120 – 300 mm², 2 x 95 – 300 mm²
- Terminal capacities, 2 bore: Copper cable lug 2 x 95 – 185 mm², 4 x 35 – 185 mm²
- Connection width extension: 2 x 95 – 300

DESCRIPTION	TYPE	ORDER NO.
3 POLE		
Module plate 1 bore for MC4/MC4-N, I _n ≤ 1250 A	MC4-XKM1	MC496814
Module plate 2 bore for MC4/MC4-N, I _n ≤ 1400 A	MC4-XKM2	MC496820
Connection extension MC4 3 pole 1600 A	MC4-XKM2S-1600	MC494473
4 POLE		
Module plate 1 bore for MC4-4/MC4-N-4, I _n ≤ 800 A	MC4-4-XKM1	MC496815
Module plate 2 bore for MC4-4/MC4-N-4, I _n ≤ 1000 A	MC4-4-XKM2	MC496821
Connection extension MC4 4 pole 1600 A	MC4-4-XKM2S-1600	MC494474

CONNECTION WIDTH EXTENSION FOR MC4



MC496826

SCHRACK INFO

- Contains parts for one switch side located at top or bottom for 3 or 4 pole switches incl. phase separator
- 5x bore for up to 6 cable lugs per phase
- Can be mounted to switch with screw connection
- Phase separator supplied
- 4 mm bore holes fitted for control circuit terminal
- Terminal capacities: Copper cable lug 4 x 300 mm², 6 x 95 – 240 mm²

TECHNICAL DATA

Distance between pole centres, MC4(-4)-XKV95:	95 mm
Installation possible for current transformer:	up to width 130 mm given rail width of 80 mm
Distance between pole centres, MC4-XKV110:	107,5 mm
Installation possible for current transformer:	up to width 135 mm given rail width of 80 mm
Distance between pole centres, MC4-4-XKV120:	122 mm
Installation possible for current transformer:	up to width 164 mm given rail width of 80 mm

DESCRIPTION	TYPE	ORDER NO.
Connection extension MC4 3 pole 1600 A	MC4-XKV95	MC496826
Connection extension MC4 4 pole 1600 A	MC4-4-XKV95	MC496827
Connection extension MC4 3 pole 1600 A long version	MC4-XKV110	MC491593
Connection extension MC4 4 pole 1600 A long version	MC4-4-XKV120	MC491594

TERMINAL COVER FOR MC4



MC496846

SCHRACK INFO

- Protection against accidental contact when using cable lugs, rails or Tunnel terminals
- Contains parts for one switch side located at top or bottom 3- or 4 pole switches
- Degree of protection IP4X front, side and rear, IP1X on the connection side when using insulated conductor material

DESCRIPTION	TYPE	ORDER NO.
Terminal cover, 3 pole for MC4	MC4-XKSA	MC496846
Terminal cover, 4 pole for MC4	MC4-4-XKSA	MC496847

PHASE SEPARATOR PLATES FOR MC4



MC4-XKP

DESCRIPTION	TYPE	ORDER NO.
Phase separator plates for MC4, 3-pole	MC4-XKP	MC496873
Phase separator plates for MC4, 4-pole	MC4-4-XKP	MC496874

ADDITIONAL INSULATED TERMINALS FOR MC4



MC397082

SCHRACK INFO

- For looping through the neutral and earth conductor
- 1 pole

DESCRIPTION	TERMINAL CAPACITY	TYPE	ORDER NO.
Additional insulated terminals 400 A	stranded, 1 x (50-240mm ²), 2 x (25-120mm ²)	K240/1/BR	MC397082
Additional insulated terminal 630 A	stranded, 1 x (240 – 300mm ²), 2 x (50 – 240mm ²)	K2x240/1/BR	MC399455

DOOR SEALING FRAME FOR MC4



MC394645

SCHRACK INFO

- For toggle levers, rotary handles with rotary drive and remote operator
- Degree of protection IP40
- For rectangular cut-out on doors and enclosures with material thicknesses of 1,5 – 5 mm
- External warning plate/designation plate can be clipped on

DESCRIPTION	TYPE	ORDER NO.
Door sealing frame for MC4	MC4-XBR	MC494646

SPACERS FOR MC4



MC390211

SCHRACK INFO

- Enables fast and low-priced adjustment of a variety frame sizes with/without rotary handle or remote operator same front depth
- Grid depth 17,5 mm, thread M5
- Each set contains 4 x spacers
- 4 fastening screws included per switch

DESCRIPTION	TYPE	ORDER NO.
Spacers for MC4	MC3/4-XAB	MC390211