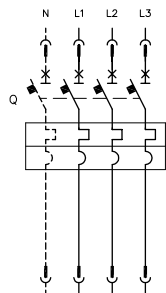
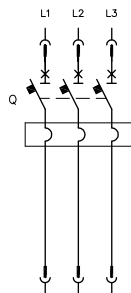


Wiring diagrams

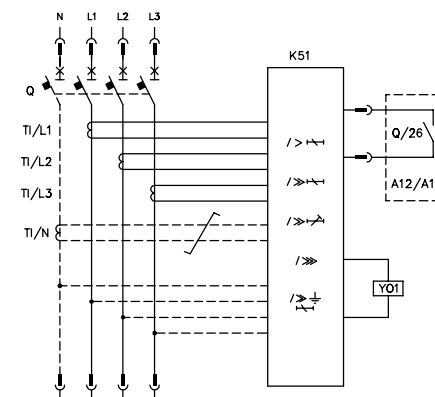
Diagrams for XT5



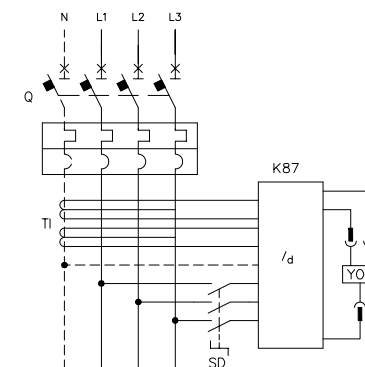
Three-pole or four-pole circuit-breaker with thermal magnetic trip unit



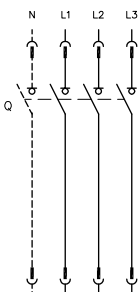
Three-pole circuit-breaker with magnetic trip unit



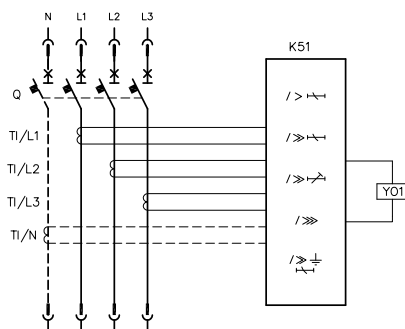
Three-pole or four-pole version circuit-breaker
XT5-XT6 with Ekip Touch trip unit



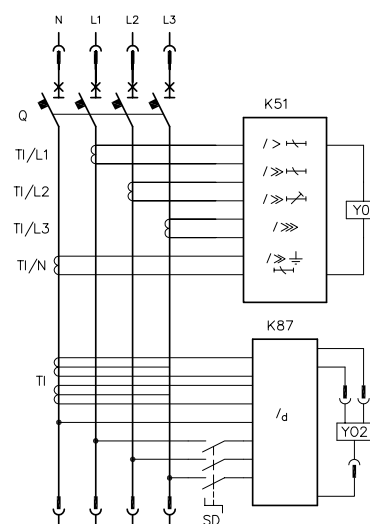
Three-pole or four-pole version circuit-breaker with thermal magnetic trip unit and residual current device



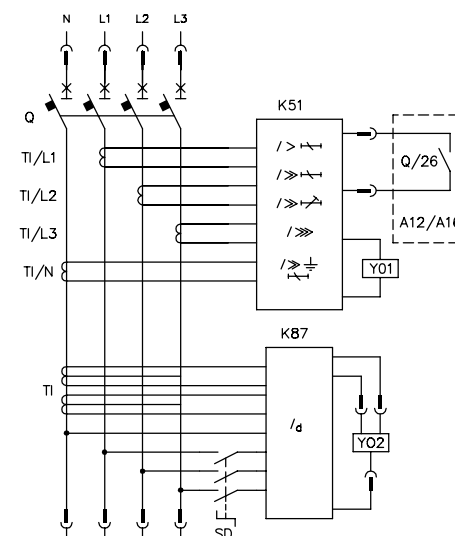
Three-pole or four-pole switch-disconnector



Three-pole or four-pole version circuit-breaker
with Ekip Dip trip unit



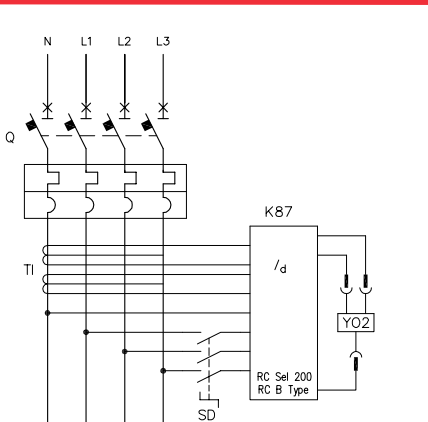
Three-pole or four-pole version circuit-breaker
with Ekip Dip trip unit and residual current device



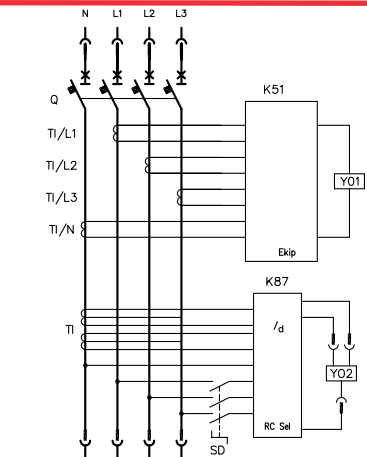
Three-pole or four-pole version circuit-breaker
with Ekip Touch trip unit and residual current
device

SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUTTORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUTTORI

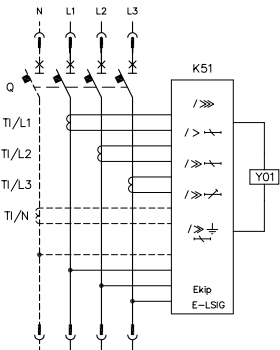
CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS



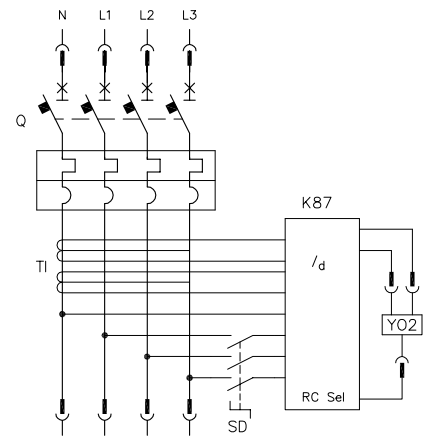
Four-pole circuit-breaker with thermal magnetic trip unit and RC Sel 200 or RC B type residual current release



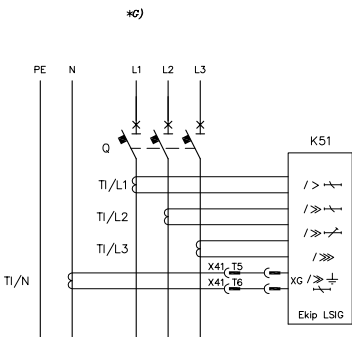
Four-pole circuit-breaker with electronic trip unit and RC Sel residual current release



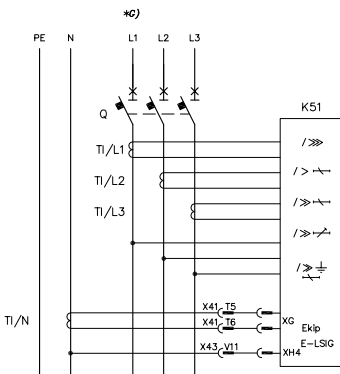
Three-pole or four-pole XT4 circuit-breaker with Ekip E-LSIG microprocessor based release



Four-pole circuit-breaker with thermal magnetic trip unit and RC Sel residual current release



Three-pole fixed version circuit-breaker with Ekip Dip trip unit with current transformer on the neutral conductor outside the circuit-breaker



Fixed version three-pole XT4 circuit-breaker with Ekip E-LSIG with current transformer on neutral conductor, external to circuit-breaker

SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUPTORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUPTORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

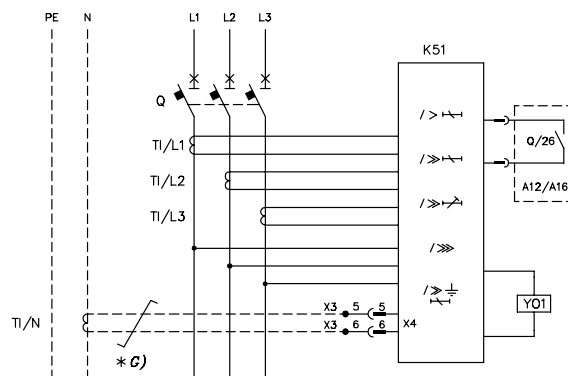


TMAX XT (LN)

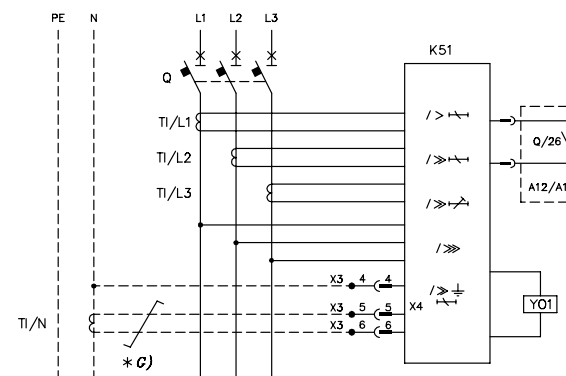
1SDM000049A1001

ECN000350768

2



Three-pole fixed version circuit-breaker with Ekip Touch trip unit with current sensor on the neutral conductor outside the circuit-breaker



Three-pole fixed version circuit-breaker with Ekip Touch trip unit with current and voltage sensor on the neutral conductor outside the circuit-breaker

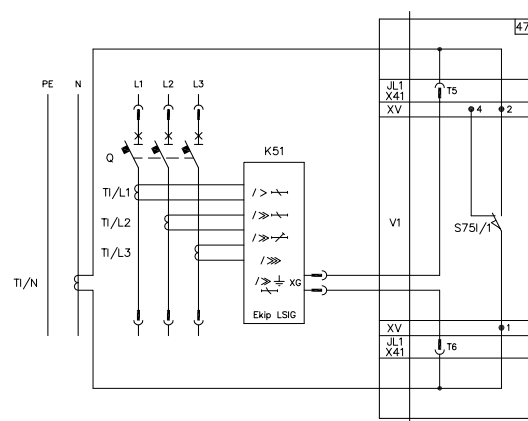
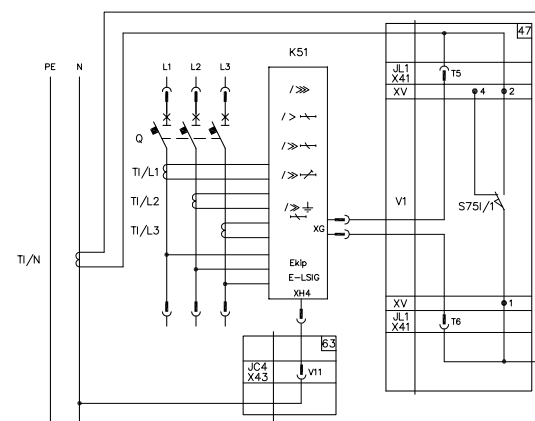


Diagram recommended for three-pole plug-in or withdrawable version circuit-breakers with Ekip Dip trip unit with current sensor on the neutral conductor outside the circuit-breaker



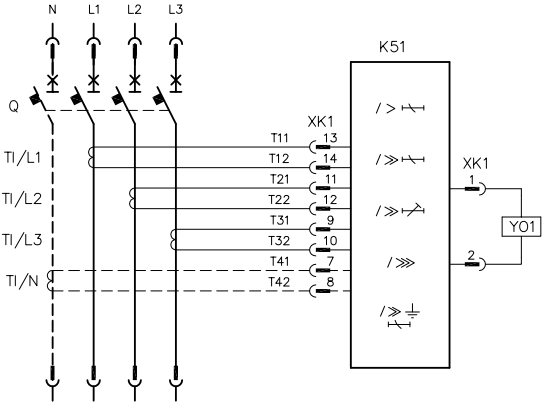
Recommended diagram for plug-in or withdrawable version three-pole circuit-breakers with Ekip Dip trip unit, current transformer and voltage connection on neutral conductor, external to circuit-breaker

SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUITORI

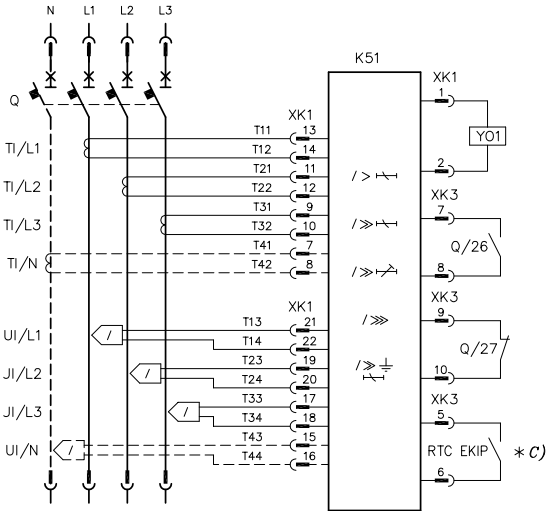
CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

Wiring diagrams

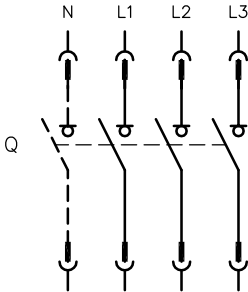
Diagrams for XT7 and XT7 M



Three-pole or four-pole circuit-breaker with Ekip Dip trip unit



Three-pole or four-pole circuit-breaker with Ekip Touch trip unit



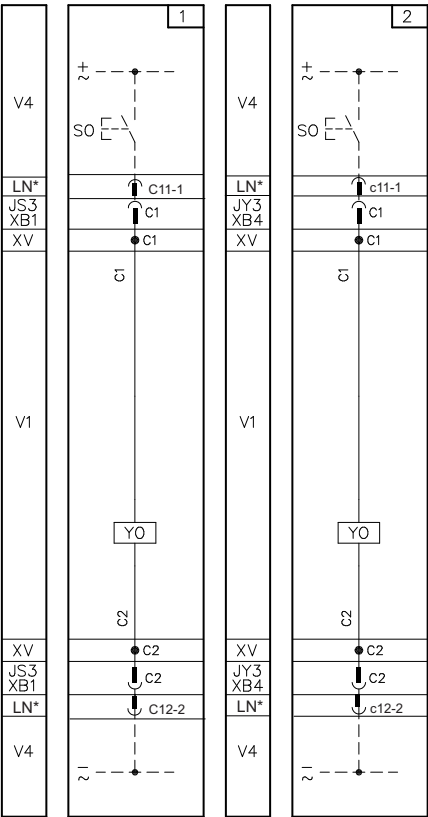
SCHEMA CIRCUITO PER L'ADATTAMENTO DI
 LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE
 XT MAX XT5 & XT7 C. INTERRUITORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
 LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
 TMAX XT 5 & XT 7 CIRCUIT BREAKERS

Wiring diagrams

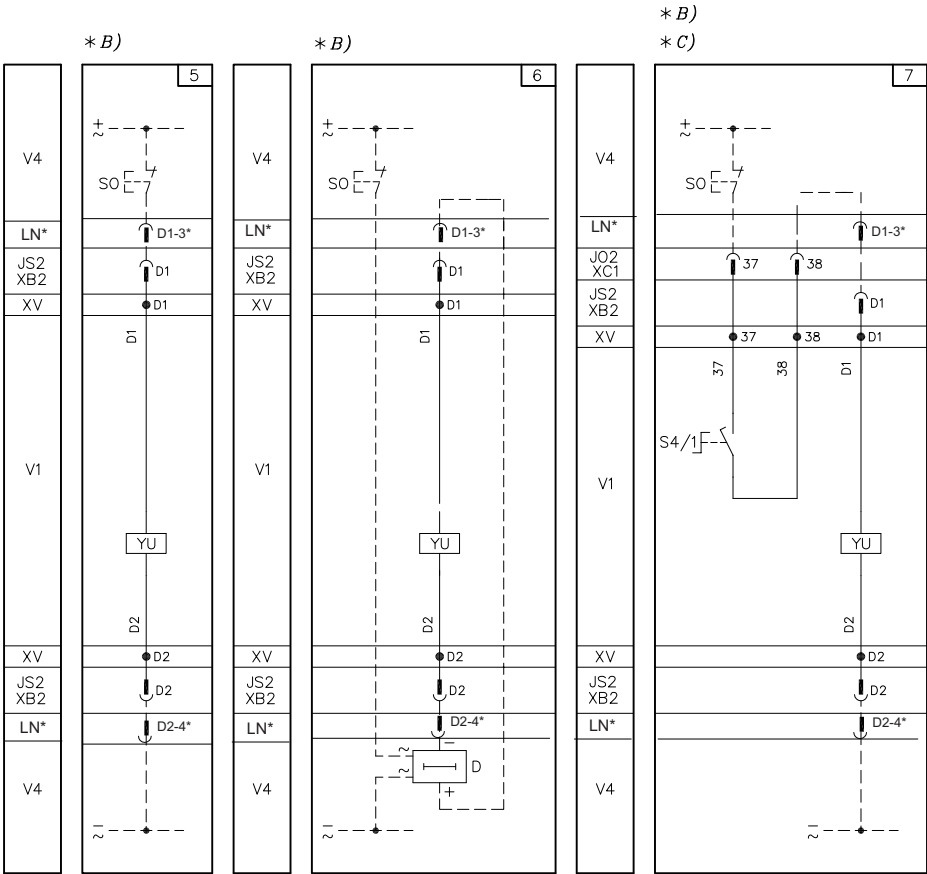
Diagrams for LN 500/630 A To XT5

- 1) Left opening coil - YO (1)
- 2) Right opening coil - YO (1)



(1) Up to 380-440V YO version

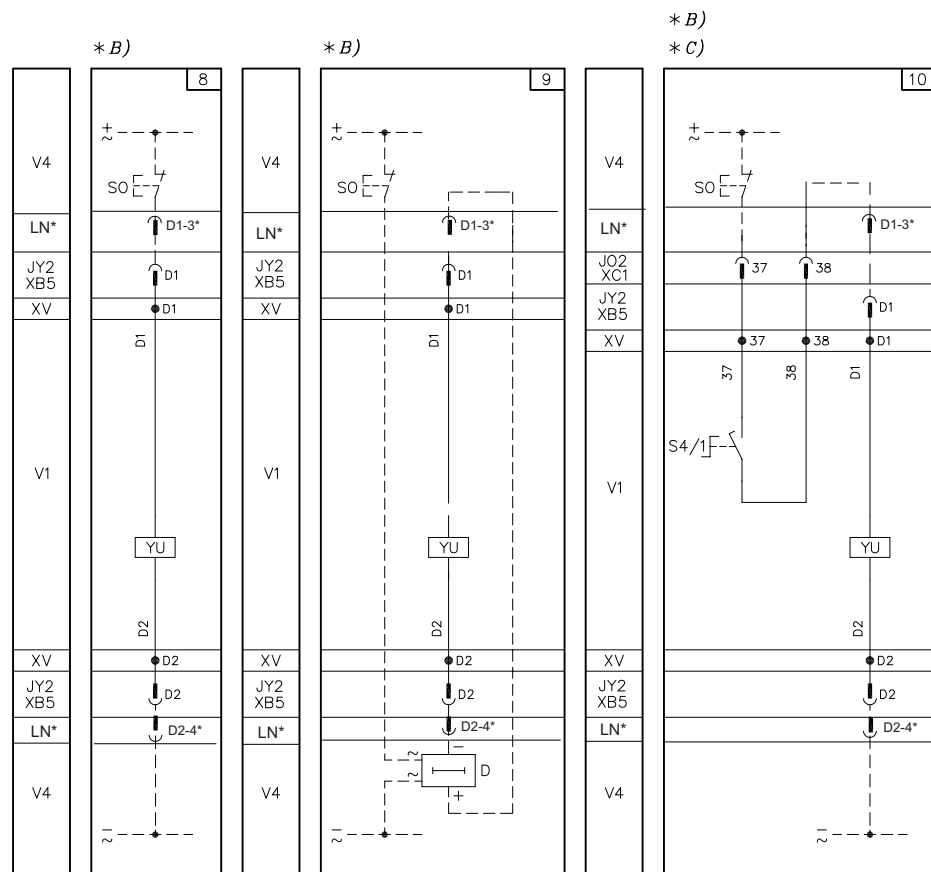
- 5) Instantaneous left undervoltage coil - YU (1)
- 6) Left undervoltage coil with electronic time-delay device outside the circuit-breaker - YU (2)
- 7) Instantaneous left undervoltage coil in the version for machine tools with a contact in series - YU (1)



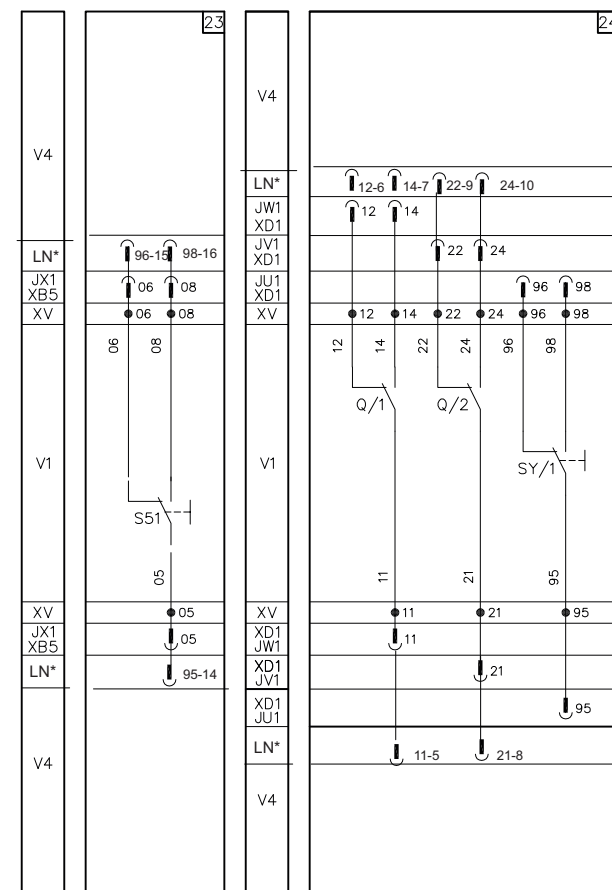
(1) Up to 380-440V YU version
(2) Up to 250V YU version

Diagrams for LN 500/630 A To XT5

- | | |
|--|--|
| 8) Instantaneous right undervoltage coil - YU (1) | 23) Protection relay tripped signalling contact (for voltage up to 250V) |
| 9) Right undervoltage coil with electronic time-delay device outside the circuit-breaker - YU (2) | 24) Two open/closed circuit-breaker signalling contacts and circuit-breaker tripped signalling contacts (for voltage up to 250V) |
| 10) Instantaneous right undervoltage coil in the version for machine tools with a contact in series - YU (3) | |



(1) Up to 380-440V YU version
(2) Up to 250V YU version



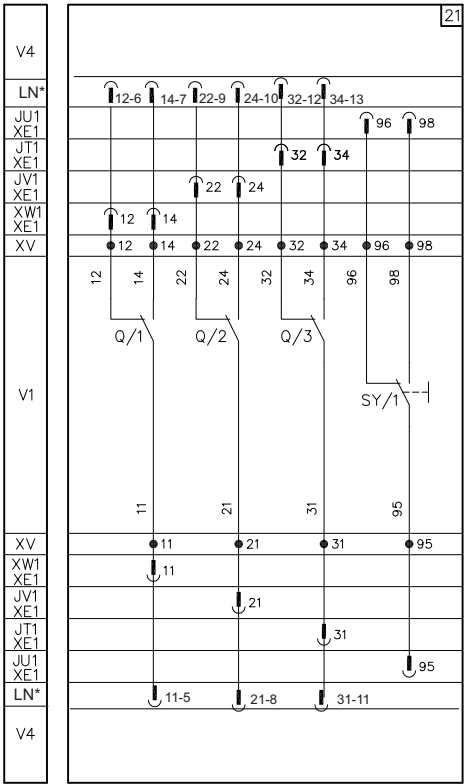
SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUITORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

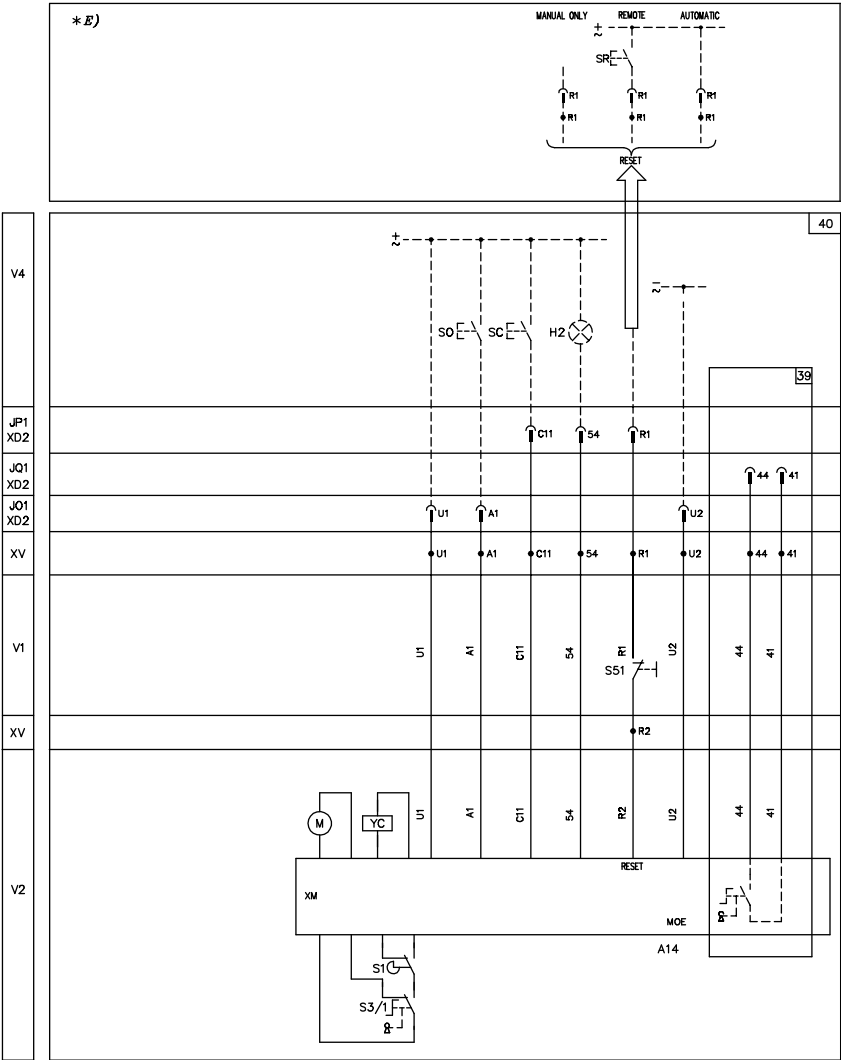
Wiring diagrams

Diagrams for LN 500/630 A To XT5

21) Three open/closed circuit-breaker signalling contacts and circuit-breaker tripped signalling contacts (for voltage up to 250V)



39) Auto/manual/lock status feedback
40) Stored energy motor operator (MOE)



SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUITORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

Wiring diagrams

Diagrams for LN 800/1000 A To XT7/XT7M

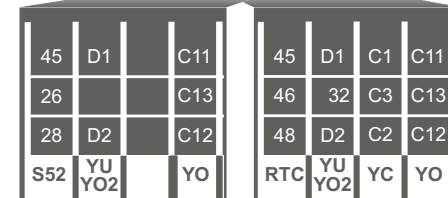


75) First opening coil – YO

76) First opening coil with control from protection trip unit – YO, Ekip Com Actuator

78) First opening coil with control from protection trip unit – YC, Ekip Com Actuator

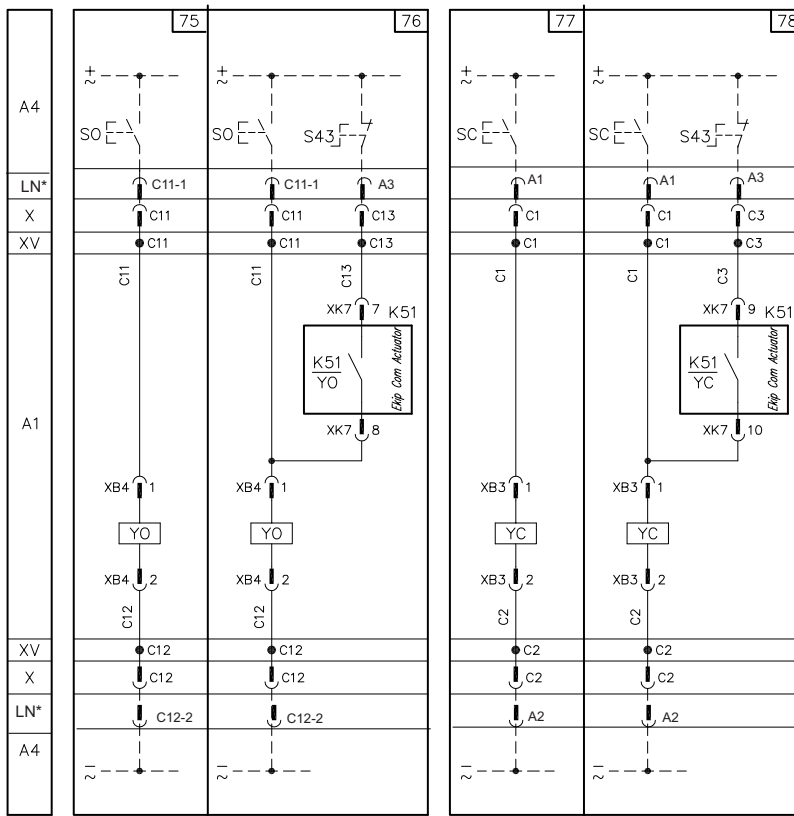
77) First closing coil – YC



75 - 76 as an alternative
to each other

77 - 78 only for XT7 M
circuit-breakers

77 - 78 as an alternative
to each other



SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUITORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

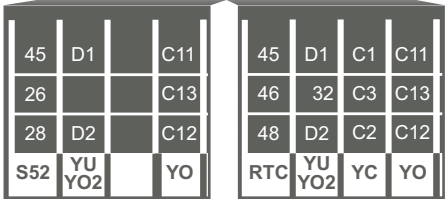
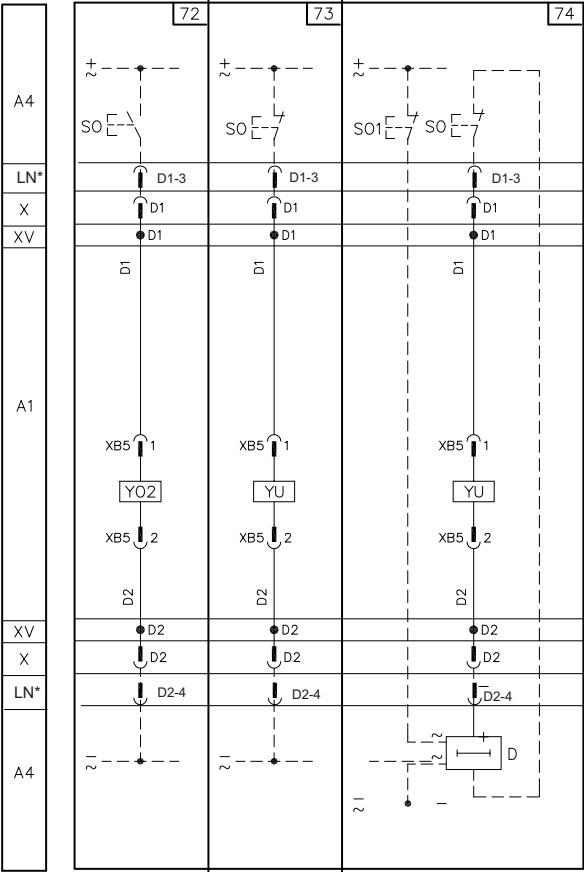
Wiring diagrams

Diagrams for LN 800/1000 A To XT7/XT7M

- 72) Second opening coil – YO2
- 73) Undervoltage coil – YU
- 73) Undervoltage coil with externa time-lag device YU, D



72 - 73 - 74 as an alternative to each other

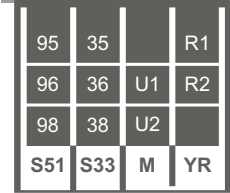


SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUPTORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUPTORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

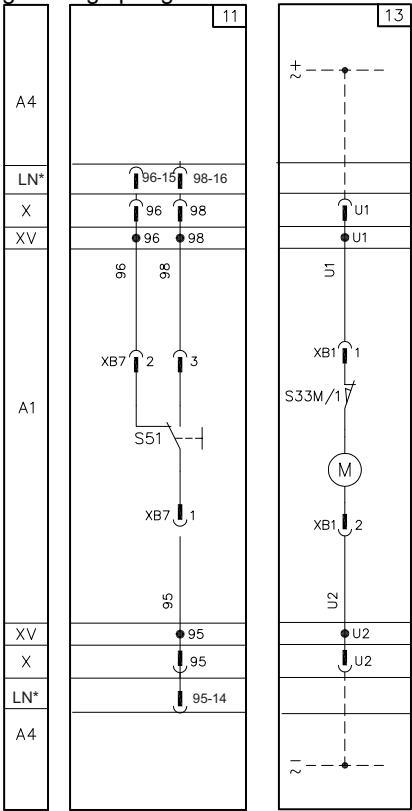
Wiring diagrams

Diagrams for LN 800/1000 A To XT7/XT7M



11a) Protection trip unit tripped signaling contact – S51
13a) Motor for loading closing springs – M

13 only for XT7 M
circuit-breakers



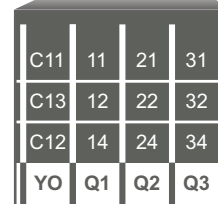
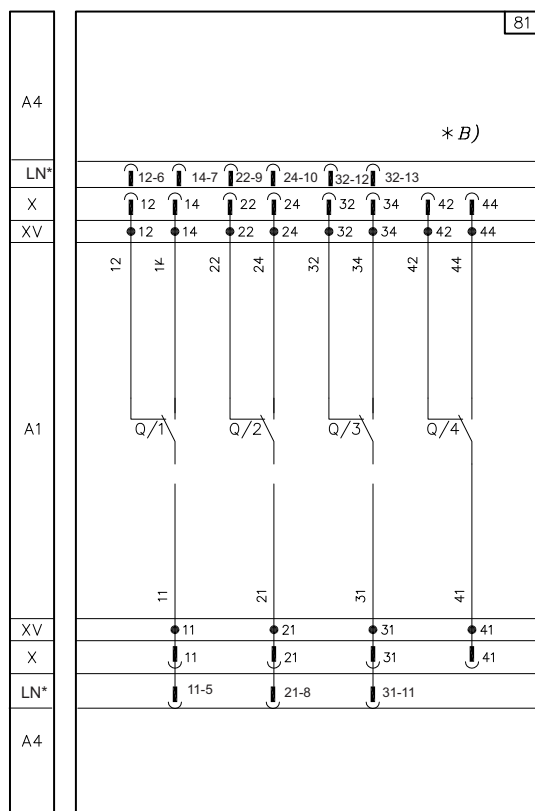
SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUITORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

Diagrams for LN 800/1000 A To XT7/XT7M



81) Open/Close auxiliary contacts of the circuit-breaker (first set)



SCHEMA CIRCUITO PER L'ADATTAMENTO DI
LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE
XT MAX XT5 & XT7 C. INTERRUITORI

CIRCUIT DIAGRAM FOR THE ADAPTATION OF
LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF
TMAX XT 5 & XT 7 CIRCUIT BREAKERS

Reading information

Information on how to read the diagrams

- LN* = Limiter Wiring connetion
- YO = Opening coil
- YO1 = Coil for opening due to overcurrent
- YO2 = Opening coil of residual current relay
- YU = Undervoltage coil
- YU/0 = Undervoltage and opening coil (Combo)
- SY/1...3 = Contacts for signaling circuit-breaker open due to tripped overcurrent protection relay, thermomagnetic release and coils YO, Y01, Y02, YU (tripped position)
- Q/1...5 = Open/close auxiliary contacts of circuit-breaker
- S51 = Contact for signaling circuit breaker open due to tripping of overcurrent protection release
- YC = Closing coil of stored energy motor
- SC = Pushbutton or contact for closing the circuit- breaker
- M = Motor for loading closing springs

SCHEMA CIRCUITO PER L'ADATTAMENTO DI LIMITER LN 500/630 & 800/100 A C. INTERRUITORI IN SOSTITUZIONE DELLA SERIE XT MAX XT5 & XT7 C. INTERRUITORI				
CIRCUIT DIAGRAM FOR THE ADAPTATION OF LIMITER LN 500/630 & 800/100A SERIES C. BREAKERS IN SUBSTITUTION OF TMAX XT 5 & XT 7 CIRCUIT BREAKERS				
		TMAX XT (LN)	1SDM000049A1001	ECN000350768
				12