

MCCB-UL 489 LISTED MOLDED CASE CIRCUIT BREAKERS



*TD/TS Series
Power
Breakers*



- 4 Compact Frame Sizes Rated 15 to 800 Amps
- 600 Vac Maximum Rated Operational Voltage
- Standard or High Capacity Breaking Choices
- Thermal Magnetic
- 3 Poles-240, 480, 600 Vac
- Up to 100 kA Short Circuit Interrupting Capacity
- Circuit Breakers are Supplied with Line and Load Terminals
- HACR Rated
- CE Version (without UL Approval) Available Upon Request



TD125NU-FTU-LL-50,
50 A MCCB electrical.

The TD/TS Series MCCB—molded case circuit breakers—main function are to protect electrical applications from short circuit or earth leakage, overload current and under-voltage conditions. These devices are used to isolate the power, or to trip the power, at the time of fault in line and thus save the circuit from further damage. MCCB's are well suited for OEM designed equipment in both light commercial and industrial applications. Their compact size saves space and reduces overall panel size and the field-installable accessories allow for last minute changes.

The TD/TS Series MCCB's are available with three different trip units that are installed in the housing; FTU—fixed-thermal and fixed magnetic; FMU—adjustable-thermal and fixed magnetic; ATU—adjustable-thermal and adjustable-magnetic. The following internal electrical accessories are also available auxiliary and alarm switches, shunt releases, and under voltage releases. See the online manual for additional information and trip curves at omega.com/circuit-breakers

SPECIFICATIONS

| MODEL NO. | TD125 | TS250 | TS400 | TS800 |
|---|------------|--------------------|------------------|------------------|
| Current Rating @ 600 Vac | 15 to 125A | 150 to 250A | 300 to 400A | 500 to 800A |
| Wire Rating CU only | 60/75°C | 60/75°C | 75°C | 75°C |
| NU STANDARD BREAKING CAPACITY | | | | |
| 240V 50/60Hz | 50 | 50 | 50 | 50 |
| 480V 50/60Hz | 35 | 35 | 35 | 35 |
| 600V 50/60Hz | 10 | 10 | 10 | 10 |
| HU HIGH BREAKING CAPACITY | | | | |
| 240V 50/60Hz | 100 | 100 | 100 | 100 |
| 480V 50/60Hz | 65 | 65 | 65 | 65 |
| 600V 50/60Hz | 14 | 18 | 20 | 35 |
| Mechanical Operations | 4000 | 5000 | 5000 | 3000 |
| Electrical Operations at 600 Vac | 4000 | 1000 | 1000 | 500 |
| Wire/ Cable Size | AWG 14-1/0 | AWG 1 to 400 kcmil | 250 to 500 kcmil | 250 to 500 kcmil |
| DIMENSIONS mm (in) | | | | |
| Height | 90 (3.54) | 105 (4.13) | 140 (5.51) | 210 (8.27) |
| Width | 164 (6.46) | 178 (7.01) | 292 (11.5) | 428 (16.85) |
| Depth | 86 (3.39) | 86 (3.39) | 110 (4.33) | 135 (5.31) |

Note: Calibration Temperature 40°C (104°F)



MCCB FIXED - THERMAL AND FIXED MAGNETIC FTU UNITS

| To Order Visit omega.com/circuit-breakers | | |
|---|------------|----------------|
| MODEL NO. | | |
| STANDARD CAPACITY BREAKER | FRAME SIZE | AMPERAGE RATED |
| TD125NU-FTU-LL-15 | 125 | 15 |
| TD125NU-FTU-LL-20 | 125 | 20 |
| TD125NU-FTU-LL-30 | 125 | 30 |
| TD125NU-FTU-LL-40 | 125 | 40 |
| TD125NU-FTU-LL-50 | 125 | 50 |
| TD125NU-FTU-LL-60 | 125 | 60 |
| TD125NU-FTU-LL-80 | 125 | 80 |
| TD125NU-FTU-LL-100 | 125 | 100 |
| TD125NU-FTU-LL-125 | 125 | 125 |
| TS250NU-FTU-LL-150 | 250 | 150 |
| TS250NU-FTU-LL-175 | 250 | 175 |
| TS250NU-FTU-LL-200 | 250 | 200 |
| TS250NU-FTU-LL-225 | 250 | 225 |
| TS250NU-FTU-LL-250 | 250 | 250 |
| TS400NU-FTU-LL-300 | 400 | 300 |
| TS400NU-FTU-LL-350 | 400 | 350 |
| TS400NU-FTU-LL-400 | 400 | 400 |
| TS800NU-FTU-LL-500 | 800 | 500 |
| TS800NU-FTU-LL-600 | 800 | 600 |
| TS800NU-FTU-LL-700 | 800 | 700 |
| TS800NU-FTU-LL-800 | 800 | 800 |

| To Order Visit omega.com/circuit-breakers | | |
|---|------------|----------------|
| MODEL NO. | | |
| HIGH CAPACITY BREAKER | FRAME SIZE | AMPERAGE RATED |
| TD125HU-FTU-LL-15 | 125 | 15 |
| TD125HU-FTU-LL-20 | 125 | 20 |
| TD125HU-FTU-LL-30 | 125 | 30 |
| TD125HU-FTU-LL-40 | 125 | 40 |
| TD125HU-FTU-LL-50 | 125 | 50 |
| TD125HU-FTU-LL-60 | 125 | 60 |
| TD125HU-FTU-LL-80 | 125 | 80 |
| TD125HU-FTU-LL-100 | 125 | 100 |
| TD125HU-FTU-LL-125 | 125 | 125 |
| TS250HU-FTU-LL-150 | 250 | 150 |
| TS250HU-FTU-LL-175 | 250 | 175 |
| TS250HU-FTU-LL-200 | 250 | 200 |
| TS250HU-FTU-LL-225 | 250 | 225 |
| TS250HU-FTU-LL-250 | 250 | 250 |
| TS400HU-FTU-LL-300 | 400 | 300 |
| TS400HU-FTU-LL-350 | 400 | 350 |
| TS400HU-FTU-LL-400 | 400 | 400 |
| TS800HU-FTU-LL-500 | 800 | 500 |
| TS800HU-FTU-LL-600 | 800 | 600 |
| TS800HU-FTU-LL-700 | 800 | 700 |
| TS800HU-FTU-LL-800 | 800 | 800 |

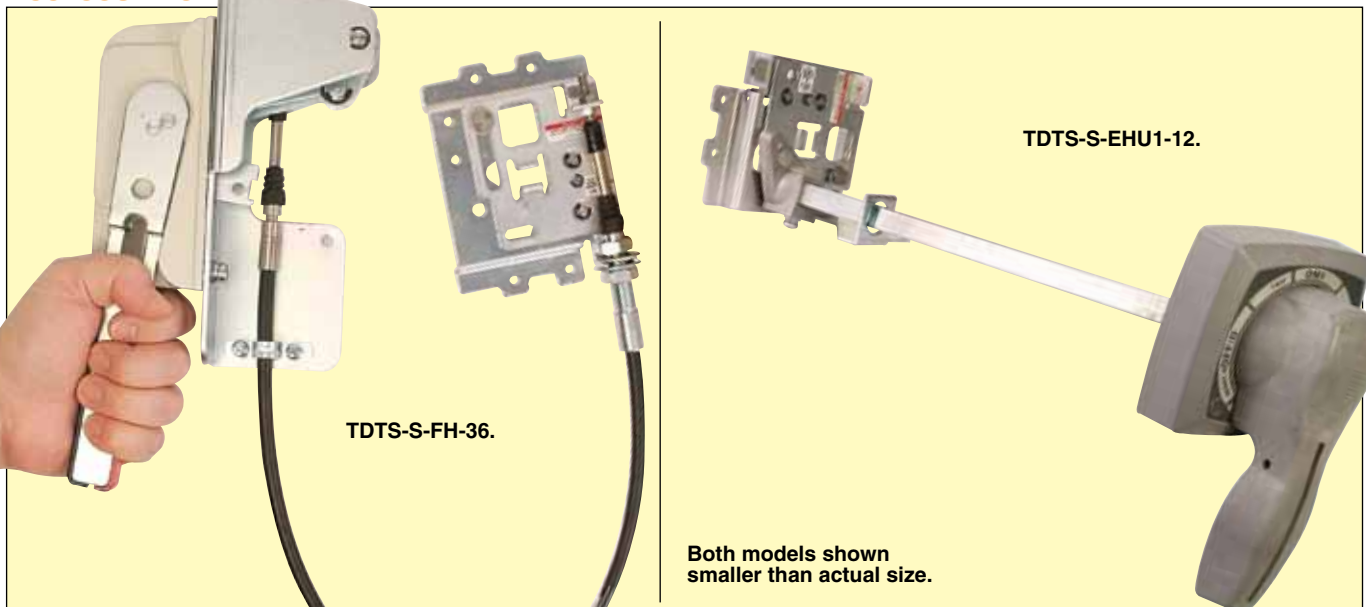
Comes complete with line and load terminal lugs and operator's manual.

Note: For adjustable-thermal/fixed-magnetic (FMU), or adjustable-thermal/Adjustable-magnetic (ATU), visit omega.com/auto for selection.

Ordering Examples: TD125NU-FTU-LL-50, MCCB with standard interrupting capacity, 35 kA at 480V, rated for 50 Amp, fixed-thermal/fixed-magnetic trip unit with line and load lugs.

TD125HU-FTU-LL-100, MCCB with high capacity, 65k A at 480V, rated for 100 A, TDTS-S-AX, auxiliary switch, TDTS-S-AL alarm switch, TDTS-S-SHT-24, 24 Vdc shunt trip unit, TDTS-F-FH1-36, flange mount handle for disconnect enclosure with 36" cable.

ACCESSORIES



ACCESSORIES



TDTS-S-AX,
auxiliary switch.

TDTS-S-SHT-24,
shunt trip.

TDTS-S-UVT-24,
under voltage trip.

All models
shown actual size.

TDTS-S-AL, alarm switch.

TD-S-PHL1, fixed pad-lock device.

TD-S-PL1, removable
pad-lock device.

ACCESSORIES

| MODEL NO. | DESCRIPTION |
|------------------------------------|--|
| TDTS-S-AX | Auxiliary switch, for all models |
| TDTS-S-AL | Alarm switch, for all models |
| SHUNT RELEASE | |
| TDTS-S-SHT-12 | Shunt trip unit 12 Vdc |
| TDTS-S-SHT-24 | Shunt trip unit 24 Vac/Vdc |
| TDTS-S-SHT-120 | Shunt trip unit 110 to 130 Vac/Vdc |
| UNDERVOLTAGE RELEASE | |
| TDTS-S-UVT-24 | Under voltage unit 12 Vdc |
| TDTS-S-UVT-120 | Under voltage unit 48 Vac/Vdc |
| TDTS-S-UVT-230 | Under voltage unit 110 to 130 Vac/Vdc |
| EXTENDED ROTARY HANDLE KITS | |
| TD-S-EHU1-12 | 12" extended rotary handle for TD125, NEMA 1, 3R, 12, defeatable |
| TD-S-EHU1-16 | 16" extended rotary handle for TD125, NEMA 1, 3R, 12, defeatable |
| TD-S-EHU1-24 | 24" extended rotary handle for TD125, NEMA 1, 3R, 12, defeatable |
| FLANGE HANDLE KITS | |
| TD-S-FH1-36 | Flange handle mechanism with 36" cable, for TD125U |
| TD-S-FH1-48 | Flange handle mechanism with 48" cable, for TD125U |
| TD-S-FH1-60 | Flange handle mechanism with 60" cable, for TD125U |
| TD-S-FH1-72 | Flange handle mechanism with 72" cable, for TD125U |
| LOCKING DEVICES | |
| TD-S-PHL1 | Fixed pad-lock devices for TD125, locking in the on and off position |
| TD-S-MIT13 | Mechanical interlocking device for TD125, padlocks not included |
| TD-S-PL1 | Removable pad-lock devices for TD125, locking in the off position |