

INSTALLATION INSTRUCTION

DC Switch-Disconnectors

OTDC16-32F



Technical drawings of the ABB 120V 10A circuit breaker, showing dimensions in mm and inches.

Front View (Left):

- Overall height: 80 mm / 3.15 in
- Top mounting hole diameter: $\varnothing 4.5$ mm / DIA 0.18 in
- Mounting hole pitch: M4 3 Nm / M0.16 / 26.6 lb.in
- Bottom mounting hole diameter: $\varnothing 4.5$ mm / DIA 0.18 in
- Bottom mounting hole pitch: 42.5 mm / 1.67 in

Side View (Middle):

- Overall width: 35 mm / 1.38 in
- Mounting hole pitch: 35 mm / 1.38 in
- Standard: EN 50022

Top View (Right):

- Overall width: 36.5 mm / 1.44 in
- Mounting hole pitch: 10.6 mm / 0.42 in
- Terminal block width: 22 mm / 0.86 in
- Terminal block height: 10.6 mm / 0.42 in
- Terminal block pitch: 10.6 mm / 0.42 in
- Terminal block material: Cu 2.5-16 mm² / Cu 13-6 AWG
- Terminal block torque: 1.2-1.4 Nm / 10.6-12.4 lb.in
- Terminal block type: Torx T8
- Terminal block width: 6 mm / 0.24 in
- Terminal block height: 2.5 mm / 0.1 in
- Terminal block material: Max 0.8 Nm / Max 7.1 lb.in

Bottom View (Bottom):

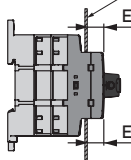
- Overall height: 89 mm / 3.5 in
- Mounting hole pitch: 52.5 mm / 2.06 in
- Mounting hole pitch: 16.25 mm / 0.64 in
- Mounting hole pitch: 38.5 mm / 1.51 in
- Mounting hole pitch: 40 mm / 1.57 in
- Mounting hole pitch: $\varnothing 4.5$ mm / DIA 0.18 in
- Mounting hole pitch: 21.25 mm / 0.83 in

Pole qty	Dimensions mm/in			
	A	B	C	D
2	66,2 / 2.45	54,1 / 2.13	38,3 / 1.51	22 / 0.86
3	77,6 / 3.05	65,5 / 2.58	49,7 / 1.95	33,4 / 1.31
4	89 / 3.50	76,9 / 3.03	61,1 / 2.40	44.8 / 1.76

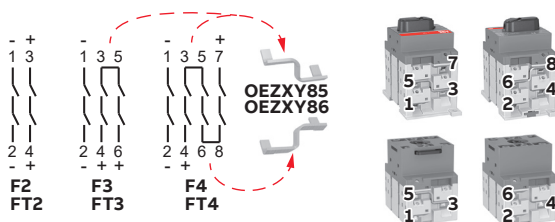
In case an external handle is not used, sufficient finger protection must be ensured, in accordance to the given dimension.

U _i (V)	max. E mm/in
1000	5 / 0.19
830	8 / 0.31
690	12 / 0.47

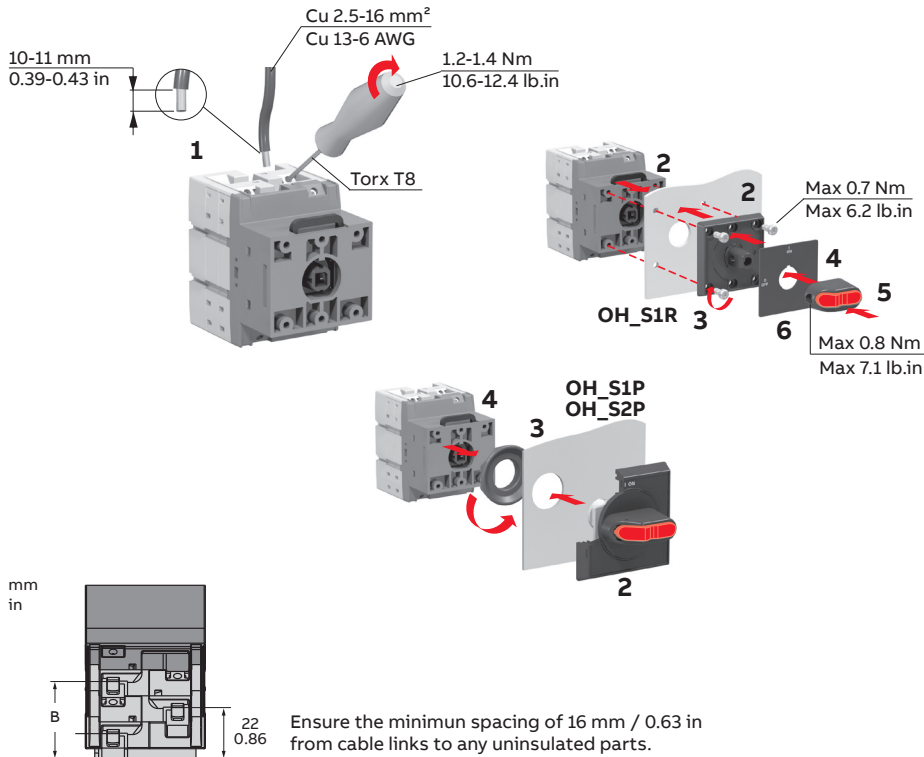
Finger-protecting plate
of insulating material



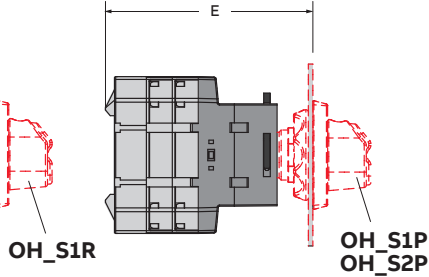
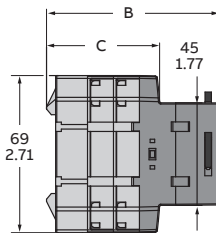
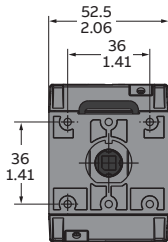
Maximum dimensions (E)
and rated insulation voltage
in pollution degree 2.



OTDC16-32FT



Pole qty	Dimensions mm/in			
	B	C	D	E
2	64,1 / 2.52	38,3 / 1.50	22 / 0.86	79,9 / 3.14
3	75,5 / 2.97	49,7 / 1.95	33,4 / 1.31	91,3 / 3.59
4	86,9 / 3.42	61,1 / 2.40	44,8 / 1.76	102,7 / 4.04



Contact us

ABB Oy

P.O. Box 622
FI-65101 Vaasa
Finland

abb.com/lowvoltage



BG	Внимание! Опасно напряжение! Да се монтира само от лице с електротехническа квалификация.
CN	警告！电压危险！只能由专业电工进行安装。
CZ	Varování! Nebezpečné napětí! Montáž smí provádět výhradně elektrotechnik!
DA	Advarsel! Farlig elektrisk spænding! Installation må kun foretages af personer med elektroteknisk ekspertise.
DE	Warnung! Gefährliche Spannung! Installation nur durch elektrotechnische Fachkraft.
EL	Προειδοποίηση! Υψηλή τάση! Η εγκατάσταση πρέπει να γίνεται μόνο από εξειδικευμένους ηλεκτροτεχνικούς.
EN	Warning! Hazardous voltage! Installation by person with electrotechnical expertise only.
ES	¡Advertencia! ¡Tensión peligrosa! La instalación deberá ser realizada únicamente por electricistas especializados.
ET	Hoiatus! Ohtlik pinge. Paigaldada võib ainult elektrotehnika-alane ekspert.
FI	Varoitus! Vaarallinen jännite! Asennuksen voi tehdä vain sähköalan ammattihenkilö.
FR	Avertissement! Tension électrique dangereuse! Installation uniquement par des personnes qualifiées en électrotechnique.
HR	Upozorenje! Opasan napon! Postavljati smije samo elektrotehnički stručnjak.
HU	Figyelmeztetés! Veszélyes feszültség! Csak elektrotechnikai tapasztalattal rendelkező szakember helyezheti üzembe.
IE	Rabhadh! Voltas gaiseach! Ba chóir do dhuine ag a bhfuil saineolas leictreiciúil, agus an té sin amháin, é seo a shuiteáil.
IT	Avvertenza! Tensione pericolosa! Fare installare solo da un elettricista qualificato.
LT	Dėmesio! Pavojinga įtampa! Dirbti leidžiama tik elektrotechniko patirties turintiems asmenims.
LV	Uzmanību! Bīstami - elektrība! Montāžas darbus drīkst veikt tikai personas, kurām ir atbilstošas elektrotehniskās zināšanas.
MT	Twissija! Vultaġġ perikoluż! Għandu jiġi installat biss minn persuna b'kompetenza elettroteknika.
NL	Waarschuwing! Gevaarlijke spanning! Mag alleen geïnstalleerd worden door een deskundige elektrotechnicus.
NO	Advarsel! Farlig spenning! Montering skal kun utføres av kvalifiserte personer med elektrokompetanse.
PL	Ostrzeżenie! Niebezpieczne napięcie! Instalacji może dokonać wyłącznie osoba z fachową wiedzą w dziedzinie elektrotechniki.
PT	Aviso! Tensão perigosa! A instalação só deve ser realizada por um electricista especializado.
RO	Avertizare! Tensiune periculoasă! Instalarea trebuie efectuată numai de către o persoană cu experiență în electrotehnică.
RU	Осторожно! Опасное напряжение! Монтаж должен выполняться только специалистом-электриком.
SE	Varning! Farlig spänning! Installation får endast utföras av en elektriker.
SK	Varovanie! Nebezpečné napätie! Montáž môže vykonávať iba skúsený elektrotechnik.
SL	Opozorilo! Nevarna napetost! Vgradnjo lahko opravi le oseba z elektrotehničnim strokovnim znanjem.