

DU / DY RANGE OF

MOULDED CASE CIRCUIT BREAKERS

A Journey of Continuous Upgradation











With manufacturing operations in Ahmednagar, Vadodara, and Coimbatore, we adhere to global standards of excellence. Our operations are supported by well-equipped, in-house design and development centers, as well as tooling facilities,

We proudly operate six Switchgear Training Centers (STCs) across Pune, Lucknow, Coonoor, Vadodara, Delhi, and Kolkata. These centers offer tailor-made classroom courses and lab learning experiences for technicians, customers,

With a deep national presence and one of the largest electrical distribution networks, comprising over 1500 partners across the country, we are committed to driving excellence and delivering superior products and solutions that power

ensuring precision in manufacturing.

engineers, professionals, and students.

India's growth journey.

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Overview













The DU/DY Series of MCCBs represents a new generation distinguished by its cutting-edge design, modern user-friendly features, ergonomic design, aesthetic appeal, and compact size. It meets the latest standards such as IS/IEC 60947-2, IEC 60947-2, and EN 60947-2, and holds international certifications including marking and DEKRA CB certification. Designed

specifically for tropical climates, the series guarantees dependable performance in high ambient temperatures and humid conditions, catering to the most rigorous system requirements. With a comprehensive range of accessories, the DU/DY Series ensures operational safety, reliability, and versatility.

Salient Features





- Current Limiting MCCBs: Utilizing a distinctive speed contact system incorporating current limiting capabilities, these MCCBs swiftly open contacts during short circuits, thereby minimizing let-through energy.
- No Load Line Bias: MCCB terminals allow for interchangeability between load and line connections on either side.
- MCCB Mechanism: Incorporates a quick make, quick break, and trip-free mechanism for efficient operation.



Ergonomic Design & User Friendliness

- > Clearly visible indication for ON/TRIP/OFF statuses.
- > Current rating displayed on mid-cover for clarity*.
- > Front-facing adjustment for overload settings*.
- > Simplified operations for easy ON/OFF/RESET functionality.



Safe to Use

- > Suitable for isolation purposes.
- > Finger-proof terminals for added safety.
- Includes phase barriers with MCCBs to increase phase clearance.
- Lockable shroud on thermal knob prevents unauthorized operation*.
- > Clearly marked range for ease of identification.
- > Double insulation for enhanced safety.



Accessories

- > Auxiliary Contacts.
- > Trip Alarm Contacts.
- > Combined Auxiliary and Trip Alarm Contacts*.
- > Shunt Release and Under-Voltage Release*.
- Direct and Extended Rotary Operating Mechanisms with Padlocking.
- > Spreader Links.
- > Enclosures available in Size I and Size II.
- > GF Module for earth fault protection*.
- > All internal accessories are snap-fit type.



Compact & Easy to Install

- Compact size
- > Common depth upto 250A
- > 46mm door cutout upto 250A
- * For DY125U / DY250U1 / DU100D / DU125D / DU100H / DU125H / DU250C / DU250 / DU400N

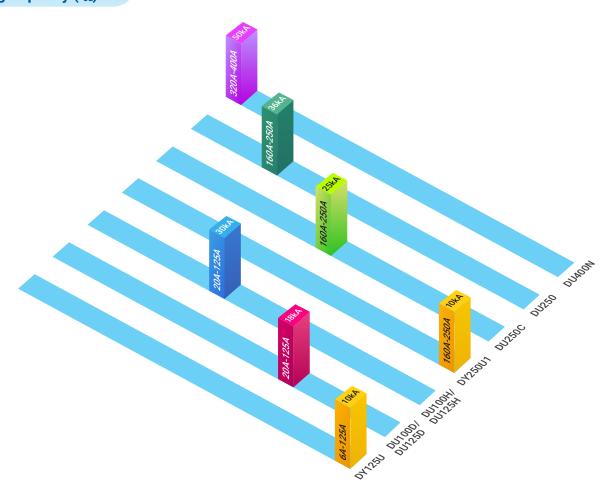
Technical Details

> Ratings: 16A to 400A

> Pole: 2P, 3P & 4P

- > Breaking Capacity: 10kA / 18kA/ 25kA / 30kA/ 36kA / 50kA
- > Release: Thermal Magnetic based protection
- > High Electrical & Mechanical life
- > No Load-Line Bias
- > ON-TRIP-OFF indication
- > Suitable for Isolation
- > Reference Temperature: 40°C
- > Operational Frequency: 50 / 60 Hz
- > IP Protection (from Front Side): IP40 (In-built), IP54 (with ROM)
- > Internal Accessories: Auxillary Contact, Trip Alarm Contact, Shunt Release, Under Voltage Release
- > External Accessories: Rotary Operating Mechanism (Direct & Extended) and Spreaders (Both Sides)
- > Additional Accessories: Ground Fault Modules and Enclosures (up to 250A)
- > Conforms to IS/IEC 60947-2 & IEC 60947-2

Frame-wise Rating & Breaking Capacity (I_{cu})



Standards & Approvals

DY and DU range of MCCBs and Accessories comply with following International Standards

- IEC 60947-1, EN 60947-1, IS/IEC 60947-1 Low-voltage switchgear and controlgear, Part 1: General Rules
- IEC 60947-2, EN 60947-2, IS/IEC 60947-2 Low-voltage switchgear and controlgear, Part 2: Circuit-breakers
- IEC 60947-3, EN 60947-3, IS/IEC 60947-3
 Low-voltage switchgear and controlgear, Part 3: Switches, disconnectors, switch-disconnectors and fuse combination units
- EC 60947-4, EN 60947-4, IS/IEC 60947-4

 Low-voltage switchgear and controlgear, Part 4: Contactors and Motor-starters Third party certificates (ERDA/CPRI) available for E&A's range of MCCBs



NABL

E&A's Switchgear Testing Lab holds NABL accreditation, acknowledging its technical competence in testing as per the ISO/IEC 17025:2005 Standard. Accredited labs must consistently meet accreditation criteria, verified through Surveillance and Re-assessment visits by NABL. Additionally, accredited labs demonstrate technical proficiency through participation in recognized Proficiency Testing Programmes. All MCCBs undergo testing at E&A's NABL accredited Switchgear Testing Lab, contingent upon ongoing compliance with these standards and NABL's additional requirements



CE Marking

A CE marking signifies that a product meets the essential requirements of relevant European laws or directives concerning safety, health, environment, and consumer protection. It is typically achieved through self-declaration and is mandatory for products within the European Economic Area (EEA) to facilitate intra-regional trade. The responsibility for affixing the CE marking lies with the manufacturer or their authorized representative within the EEA. This marking serves as proof that the product complies with unified regulations across EEA countries, promoting unrestricted trade among member states. E&A's MCCBs complies with the Low Voltage Directive 73/23/EEC as amended by Directive 93/68/EEC, provided they are used as intended, installed, and maintained according to industry standards and operating instructions.



IECEE CB SCHEME - DEKRA Certified

The IECEE CB Scheme is an international agreement involving multiple countries and certification bodies. Manufacturers can utilize a CB test certificate issued by a recognized National Certification Body (NCB) to obtain certification marks from other accepted NCBs in the countries where they are located. E&A's MCCBs are certified under the IECEE CB Scheme by DEKRA, a globally recognized organization with a 150-year history in testing, inspections, certification, risk management, and verification.



DY Series

DY125U



DY250U1



DY Series

Technical Specifications

Technical	Parameters		Specifi	cations			
Type Desig	nation		DY125U	DY250U1 NEW			
No. of Pole	es		2/3/4	3/4			
Rated Curr	ent	I, (A)	16,20,25,32,40, 50,63,80, 100,125	160, 200, 250			
Impulse W	ithstand Voltage	U _{imp} (kV)	8	8			
Rated Ope	rational Voltage	U _e (VAC)	415	415			
Rated Insu	lation Voltage	U _i (VAC)	800	800			
Operationa	l Frequency (Hz)		50 / 60	50 / 60			
Utilisation	Category		А	А			
Reference	Temperature		40°C	40°C			
Operating	Temperature		-5°C to + 55°C	-5°C to + 55°C			
Standard			IS/IEC 60947-2, IEC 60947-2 & EN 60947-2	IS/IEC 60947-2, IEC 60947-2 & EN 60947-2			
	240 V AC		25	20			
I _{cu} (kV)	415 V AC		10	10			
	250 V DC#		10	10			
Rated Serv	rice S. C. Breaking Cap	pacity (I _{cs})	100% of I _{cu}	100% of I _{CU}			
Mechanica	ll Life	No. of operations	30000	10000			
Electrical L	ife	No. of operations	8000 ^{\$}	1000 ^{\$}			
IP Protecti	on (from front side)		IP40	IP40			
Pollution D	egree		III	III			
Type of Re	lease		Thermal -	Magnetic			
Thermal			Fixed	Fixed			
Magnetic			Fixed (10/ _n)*	Fixed (9I _n)			
Therminal	Capacity (without Spi	reads)					
Cables wit	h Lug (mm²)		50	120			
Link (mm)			≤17	≤ 26			
Overall Dir	nensions						
Width (3/4	Pole) (mm)		75/100	105/140			
Height (mr	n)		130	165			
Depth (mn	n)		60	60			
Weight (2/	3/4 Pole) (kg)		0.60 / 0.67 / 0.92	1.4 / 1.8			

Note: 2 Pole in 3 Pole frame size for DY125U

^{\$ 5000} for 125 A * 320A for 16A, 20A, 25A

[#] Any 2 poles can be used. One for "+" polarity & other for "-" polarity. Connection Type - 3 Pole in series.

DU Series

DU100D/DU125D



DU100H/DU125H



DU250C / DU250



DU400N



DU Series

Technical Specifications

Technica	al Parameters	S			Speci	fications				
Type Des	signation			DU100D/DU125D	DU100H/DU125H	DU250C	DU250	DU400N		
No. of Po	oles			3/4	2/3/4	3/4	2/3/4	2/3/4		
Rated Cu	urrent		I, (A)	20, 25, 32, 40, 50, 63, 80, 100, 125	20, 25, 32, 40, 50, 63, 80, 100, 125	160, 20	320, 400			
Impulse	Withstand Vo	ltage	$U_{imp}(kV)$		8			8		
Rated Op	perational Vol	tage	U _e (V AC)		415			690		
Rated In	sulation Volta	age	U _i (V AC)		800			800		
Operatio	nal Frequenc	y (Hz)			50 / 60					
Utilisatio	on Category				Α					
Reference	e Temperatu	re			40°C					
Operatin	g Temperatui	re			-5°C to + 55°C					
Standard	d				IS/IEC 60947-2, IEC	60947-2 & EN	60947-2			
	240 V AC			32	65	65	65	65		
	415 V AC			18	30	25	36	50		
I _{cu} (kA)	250 V DC (2	P in series) L/R<15 msec	-	15	-	15	25		
	250 V DC (3	BP in series) L/R<15 msec	15	15	20	30			
	500 V DC (3	BP in series) L/R<15 msec	10	15**	10	15**	20***		
Rated Se	ervice S. C. Br	eaking Cap	acity(I _{cs})	100% of I _{cu}						
Single St (kVAr)	tage Capacito	or Rating at	415V, 50Hz	upto 50 kVA & 65 kVAr*		upto 9	upto 150 kVAr*			
Mechani	ical Life	No. o	f operations	400	000	150	10000			
Electrica	l Life	No. o	f operations	800	00\$	5000 ^{\$} 4000				
IP Protec	ction (from fro	ont side)			I	P40				
Pollution	n Degree					III				
Type of I	Release				Thermal	- Magnetic				
Thermal						(0.8 - 1.0 _{l_n})				
Magneti					Fixe	ed (91 _n)				
	l Capacity (wi		aders)					I		
	vith Lug (mm²	2)		3			20	185		
Link (mn	<u> </u>			≤1	7	≤2	26	≤32		
	Dimensions									
Width (m				75/100	75/75/100	105,	140/184			
Height (r				13		16	205			
Depth (n				6	1	60		110.5		
Weight (2/3/4 Pole) (k	(g)		0.85/1.1	0.6/0.85/1.1	1.55/2	1.3/1.55/2	4/5		

[•] Please use Capacitor Duty Contactors with MCCB for Capacitor Applications. Capacitor ratings mentioned are with MO C only.

Note: 2 Pole in 3 Pole frame size for DU100H/ DU125H/DU250/DU400N

^{•• 10} kA at 500V d.c. (2P in series) L/R<15 msec ••• 15kA at 500V d.c. (2P in series) L/R<15 msec

^{\$ 4000} for DU125D/DU125H, 3000 for 250A DU250/DU250C

Accessories

- **Auxiliary Contact** Contacts that enable the transmission of circuit-breaker operating status information (ON/OFF externally.
- 2 Trip Alarm Contact Contacts that indicate when the circuit-breaker has tripped or operated due to a fault or abnormal condition in the electrical system.
- **Auxiliary + Trip Alarm Contact** auxiliary trip alarm contact serves to extend the functionality of the basic trip alarm contact, offering more flexibility in how trip events are monitored, recorded, and responded to in electrical distribution and protection systems.
- 4 Shunt Release It allows opening of MCCB by means of an electrical command.
- **Undervoltage Release** The Under-voltage release causes the MCCB to trip if the operational voltage falls to a value between 35% and 70% of its rated voltage or not applied.
- 6 Phase Barriers Phase barriers are physical barriers or partitions installed with circuitbreakers, to separate and insulate different phases of electrical conductors from each other.
- Spreader Terminals spreaders are components used to spread or separate conductors within electrical equipment such as switchgear or distribution panelss, They play a crucial role in enhancing the safety, efficiency, and reliability of electrical systems by ensuring proper conductor spacing and minimizing risks associated with electrical faults and failures.
- **Direct Rotary Handle** A Direct Rotary Handle, refers to a mechanical device used for manually operating the switch or circuit-breaker. It is directly connected to the operating mechanism of the switch or circuit-breaker.
- **Extended Rotary Handle** Extended Rotary Handle refers to a type of handle that extends the length of the standard rotary handle used for manual operation. They allow maintenance personnel or operators to safely and conveniently operate circuit-breakers or switches without needing to directly access the panel or enclosure.
- **External Neutral CT with Adaptor Kit** Used to provide neutral & earth fault protection to 3P MCCBs in 3 phase 4 wire system
- 11 Enclosures Please refer page no. 8 for technical details
- 12 Ground Fault Modules Please refer page no. 9 for technical details













^{*} For Enclosure please refer page no. 10

^{**} For Ground Fault Modules please refer page no. 11

MCCB Enclosures

Enclosures refer to protective housings or casings designed specifically for MCCBs (Molded Case Circuit Breakers). Enclosures are designed to house MCCBs safely and securely.

Size I enclosure: This enclosure is designed to accommodate MCCB models such as DU100D, DU125D, DU100H, DU125H, and DY125U. It provides ample space inside for connecting cables to the MCCBs. Size I enclosures are typically smaller and more compact compared to Size II.

Size II enclosure: This enclosure is suitable for MCCB models DU250, DU250C and DY250U1. It offers more internal space compared to Size I enclosures, which can be beneficial when larger MCCBs or additional wiring connections are required.

Both Size I and Size II enclosures are standalone units, meaning they can be used independently without needing to be mounted within a larger electrical panel. They are designed not only for practicality in housing MCCBs but also to enhance the overall aesthetic appearance of the installation. This ensures that while providing functionality and protection, they also contribute to the visual appeal of the electrical setup.

- > Universal enclosure for 3P/4P MCCBs.
- > Provides IP30 and IK08 protection.
- > Includes built-in neutral link for TPN systems.
- > Features mounting holes on the back plate.
- > Equipped with louvers for enhanced heat dissipation.
- > Effortless Installation
- > RoHS compliant.
- Complies with IEC 62208, IEC 62262, and IEC 60529 standards.



Size I Enclosure

Size II Enclosure



Easy Wall Mounting



In-Built Neutral Link



Better Heat Dissipation

Enclosure	Compatible MCCBs	Height (mm)	Width (mm)	Depth (mm)
Size I	DU100H/DU125H/DU100D/DU125D/DY125U	543	198	97
Size II	DU250/DU250C/DY250U1	830	337	111

Ground Fault Modules

Ground Fault Modules are of Types GF1, GF2 and GF11. These modules are to be used with MCCBs for ground fault protection. The principle of operation is based on detection of the residual current in the system. They combine safety and versatility, conforming to the high performance standards, the characteristic of all E&A products.



Ground Fault Module GF1GF1 is suitable upto 200A MCCBs



Ground Fault Module GF2GF2 is suitable upto 200A to 400A MCCBs



Ground Fault Module GF11GF11 is suitable upto 800A MCCBs

Features

- > Compact in size
- > Solid state design
- Built-in moulded CBCT for GF1 & GF2. External CTs are to be used for GF11
- Suitable for both 3 Phase 3 wire & 3 Phase 4 wire systems. In case of 3 phase 4 wire system, the natural cable/twisted link should also be passed through the CBCT along with the 3 Phase links / cables
- > Built-in test facility
- Selection facility for nominal current rating Un)
- Earth fault setting is adjustable from 10% to 50% of set current
- > Selectable trip times (100ms, 200ms)
- > Manual reset for positive fault acknowledgment
- Potential free NO contact to trip MCCB (through 240V shunt release)
- > Window dimensions suitable for Cable/ Link connection in GF1 and GF2

Note: MCCBs need to be fitted with 110V / 240V as shunt release for Ground Fault Module operation.

Technical Data

Specification	Type GF1/GF2/GF11
Current Setting Range, $I_s(I_s=x_n/)$	10% to 50% In in step of 10%
Auxiliary Supply	240V AC ±20%
Time Delay (ms)	100/200ms Field selectable
Pick-up Accuracy	±10% I _s
Output Contact	1 NO contact manual reset type contact rating 5A 240V AC
Indication	a) Power on LED b) Trip LED (manual reset)
Operating Temperature	+10°C to +55°C
Insulation	2kV 50Hz for one minute across independent circuit 1kV 50Hz for one minute across open contacts
Mounting	Baseplate mounting type
Window for Cable / Busbar Entry (mm²)	GF1-110 x 32 GF2-165 x 61.5
Weight (Kg)	GF1-1.2, GF2 - 2.2, GF11 - 0.9

Note: Please check GF module window size & MCCB busbar width with spreaders/ without spreaders before selection of GF Module. Please contact nearest branch office for further information.

Additional **Technical Information**

Altitude Derating Chart

Altitude is a significant factor influencing the current-carrying capacity of circuit breakers. For DU/DY range MCCBs, altitudes up to 2000m generally have minimal impact. However, beyond

2000m, the altitude can affect the characteristics of MCCBs, as outlined in the table below.

	Description		De-rating Factor							
	Description		<2000 m	3000 m	4000 m	5000 m				
DILI/DV	Rated Operational Voltage	U _e	1.00	0.90	0.80	0.70				
DU/DY	Rated Nominal Current	I _n	1.00	0.97	0.94	0.91				
	Insulation Voltage	U _i	1.00	0.78	0.69	0.61				
	Impulse Withstand Voltage	U _{imp}	1.00	0.78	0.69	0.61				

Note: Breaking capacities would not change. Please refer Technical Specifications.

Power Loss Data

The power loss of an electrical device is essential for determining the overall system efficiency, measured in watts. According to Annex G of IEC-60947-2, the total power loss of a circuit breaker is calculated by multiplying the power loss per pole by the number of poles. This measurement, conducted

under rated current in free air and with minimal voltage drop across the terminals under cold conditions, provides an indication of the heat generated in specific operational scenarios.

Frame	Rating (A)	Power loss per pole (W)				
	16	2.1				
	20	3.3				
	25	5.2				
	32	4.0				
DY125U	40	6.4				
D11230	50	4.0				
	63	6.5				
	80	7.2				
	100	10.5				
	125	16.4				
	160	15.4				
DY250U1	200	20.0				
	250	18.8				

Frame	Rating (A)	Power loss per pole (W)				
	20	2.2				
	25	4.0				
	32	5.3				
D.1.4.0.D.#1	40	7.0				
DU100D/H DU125D/H	50	5.5				
201202711	63	5.5				
	80	6.9				
	100	9.0				
	125	12.0				
	160	15.4				
DU250 DU250C	200	20.0				
20200	250	18.8				
DU400N	320	25.0				
DU400N	400	25.6				

Temperature Derating Chart

Temperature derating of MCCBs (Molded Case Circuit Breakers) refers to the practice of adjusting the current-carrying capacity of the circuit breaker based on the ambient temperature in which it operates. MCCBs are designed to carry their rated current at a specified ambient temperature (often 40°C), but as the ambient temperature increases, the heat dissipation

capability of the MCCB may decrease. Temperature derating is crucial for maintaining the safety and reliability of MCCBs in diverse environmental conditions. Failure to derate properly can lead to overheating, premature aging of components, and potentially hazardous conditions.

Frame	Rating						Tempera	ature (°C)					
	(A)	10	15	20	25	30	35	40	45	50	55	60	65
	16	19.0	18.5	18.0	17.5	17.0	16.5	16.0	15.5	15.0	14.5	14.0	13.5
	20	23.7	23.1	22.5	21.9	21.2	20.6	20.0	19.4	18.8	18.1	17.5	16.9
	25	29.7	28.9	28.1	27.3	26.6	25.8	25.0	24.2	23.5	22.7	21.9	21.1
	32	38.0	37.0	36.0	35.0	34.0	33.0	32.0	31.0	30.0	29.0	28.0	27.0
DY125U	40	47.4	46.2	45.0	43.7	42.5	41.2	40.0	38.8	37.5	36.3	35.0	33.8
	50	59.3	57.8	56.2	54.7	53.1	51.6	50.0	48.5	46.9	45.4	43.8	42.3
	63	74.7	72.8	70.8	68.9	66.9	65.0	63.0	61.0	59.1	57.1	55.2	53.2
	80	94.9	94.4	89.9	87.4	85.0	82.5	80.0	77.5	75.0	72.6	70.1	67.6
	100	118.6	115.5	112.4	109.3	106.2	103.1	100.0	96.9	93.8	90.7	87.6	84.5
	125	146.0	142.5	139.0	135.5	132.0	128.5	125.0	121.5	118.0	114.5	111.0	107.5

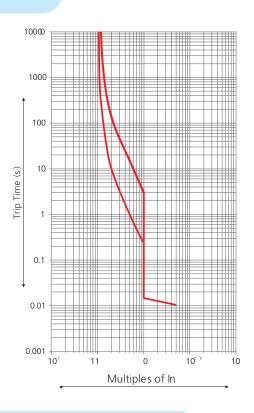
Frame	Rating						Ten	nperature	(°C)					
	(A)	10	15	20	25	30	35	40	45	50	55	60	65	70
	20	23	22.5	22	21.5	21	20.5	20	19.5	19	18.5	18	17.5	17
	25	28.6	28	27.4	26.8	26.2	25.6	25	24.4	23.8	23.2	22.6	22	21.4
	32	35.9	35.3	34.6	33.9	33.3	32.7	32	31.4	30.7	30.1	29.4	28.8	28.1
DU100D/H	40	43.9	43.3	42.6	41.9	41.3	40.7	40	39.4	38.7	38.1	37.4	36.8	36.1
DU125D/H	50	55.1	54.3	53.4	52.6	51.7	50.9	50	49.2	48.3	47.4	46.6	45.8	44.9
	63	69.3	68.3	67.2	66.2	65.1	64.1	63	61.9	60.9	59.9	58.8	57.8	56.7
	80	88.7	87.3	85.8	84.4	82.5	81.5	80	78.6	77.1	75.7	74.2	72.8	71.3
	100	112	110	108	106	102	102	100	98	96	94	92	90	88
	125	137	135	133	131	129	127	125	127	129	131	133	135	137

Frame	Rating				Temperature (°C)											
	(A)	10	15	20	25	30	35	40	45	50	55	60	65	70		
DY250U1 DU250	160	188.4	184.2	179.9	175.6	170.6	165.6	160	154.4	147.1	140.7	134.2	127.8	121.4		
DU250C	200	235.6	230.3	224.9	219.6	213.2	206.9	200	193.1	183.8	175.6	167.5	159.4	151.3		
	250	294.4	287.8	281.1	274.4	266.6	258.6	250	241.4	229.8	220	210	200	190		

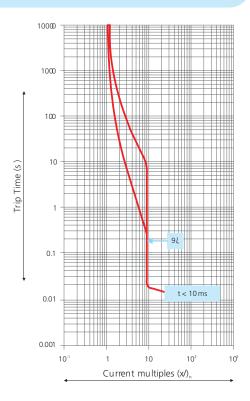
Frame	Rating		Temperature (°C)												
Frame	(A)	10	15	20	25	30	35	40	45	50	55	60	65	70	
DUIAGO	320	350	345	340	335	330	325	320	315	310	305	300	295	290	
DU400	400	430	425	420	415	410	405	400	395	390	385	380	375	370	

I-T Characteristic Curves

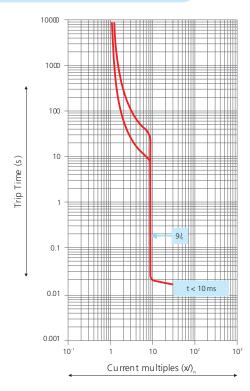
DY125U



DU100D / DU125D / DU100H / DU125H

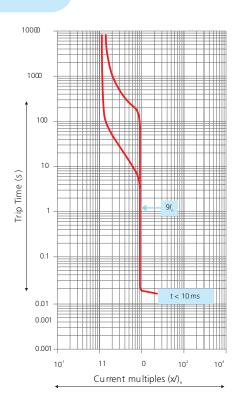


DY250U1 / DU250C / DU250



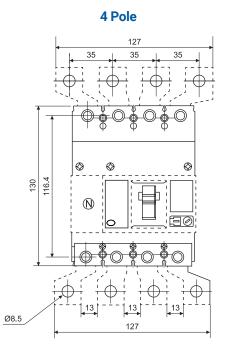
Note: •All Curves are /, (rated current) based till overload zone.

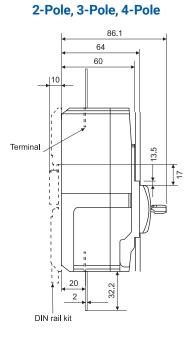
DU400N



MCCB Dimensions

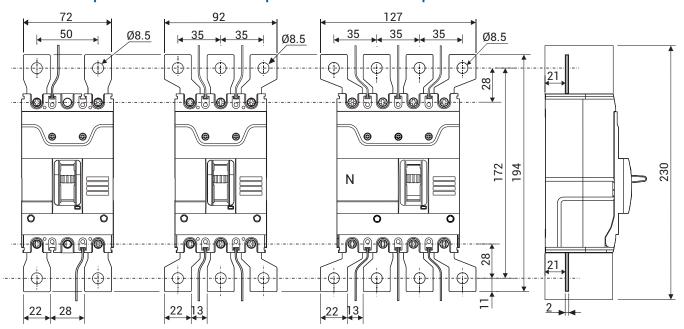
DY125U





DY125U with Spreaders

2-Pole with Spreaders 3 Pole-Pole with Spreaders 4-Pole with Spreaders

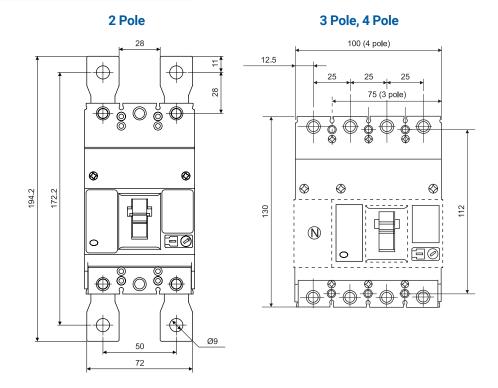


Link width (without spreader) : □ 17mm Link width (with spreader) : 25mm

Note: Spreader links are available as spare.

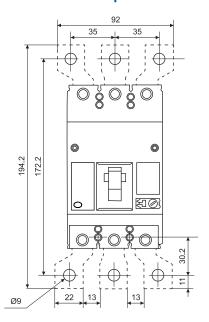
It is recommended to use spreader links for enhancing termination capacity. Please use 125A MCCB with its recommended Spreader only.

DU100D / DU125D / DU100H / DU125H

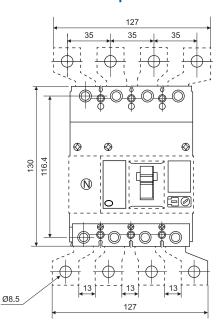


DU100D / DU125D / DU100H / DU125H with Spreaders

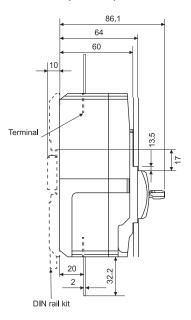
3-Pole with Spreaders



4-Pole with Spreaders



2-Pole, 3-Pole, 4-Pole

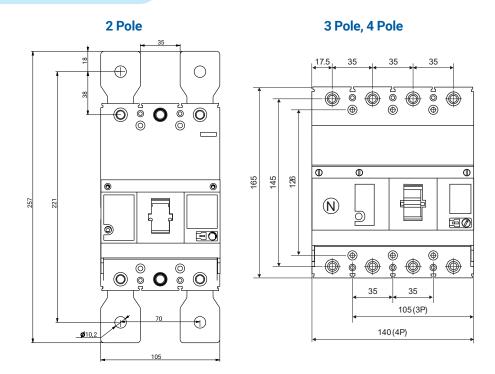


Link width (without spreader) : □ 17mm Link width (with spreader) : 25mm

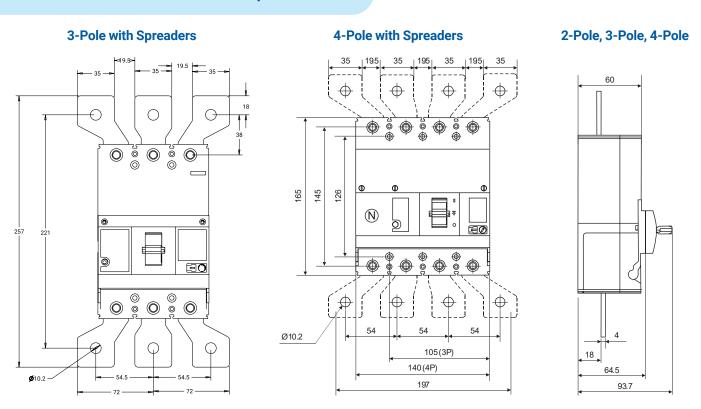
Note: Spreader links are available as spare.
It is recommended to use spreader links for enhancing termination capacity.

Please use 125A MCCB with its recommended Spreader only.

DY250U1 / DU250C / DU250



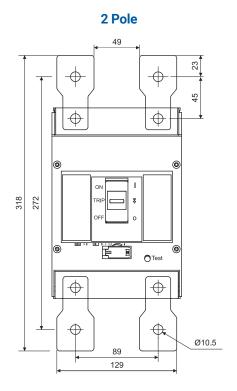
DY250U1 / DU250C / DU250 with Spreaders

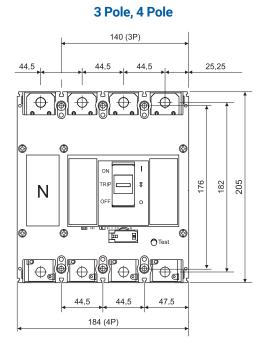


Link width (without spreader) : ☐ 17mm Link width (with spreader) : 25mm

Note: Spreader links are available as spare. It is recommended to use spreader links for enhancing termination capacity.

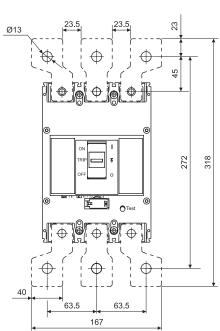
DU400N



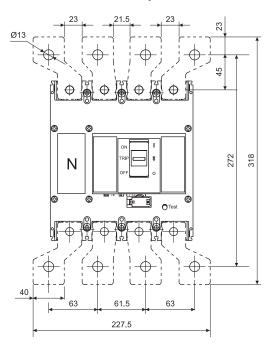


DU400N with Spreaders

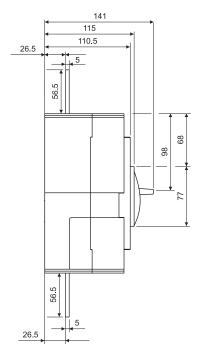




4-Pole with Spreaders



2-Pole, 3-Pole, 4-Pole

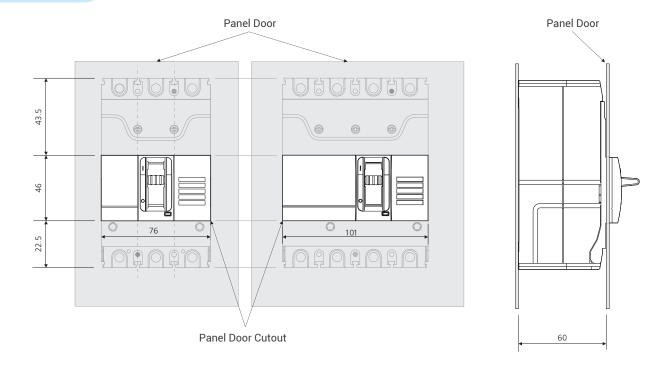


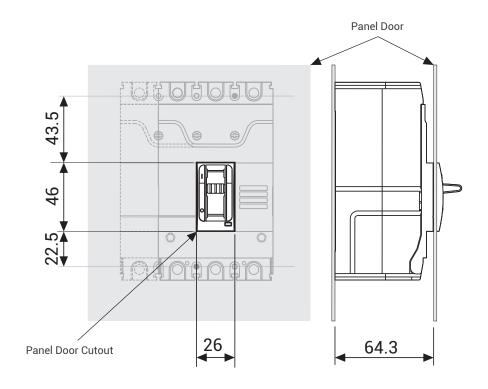
Link width (without spreader) : \square 32mm Link width (with spreader) : 40mm

Note: Spreaders are available as spare. It is recommended to use spreader links for enhancing termination capacity.

Panel Cut-Out Dimensions

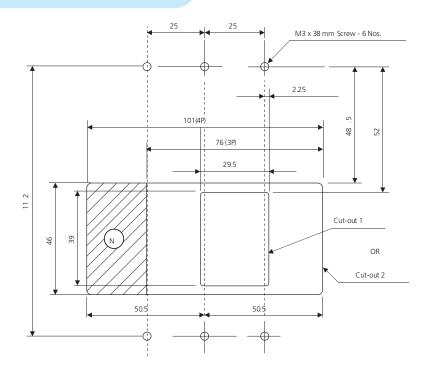
DY125U



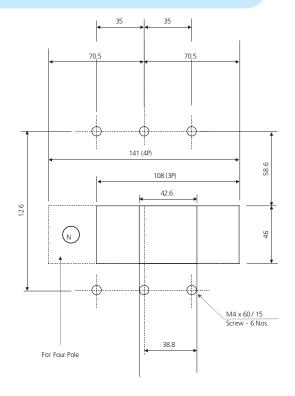


19

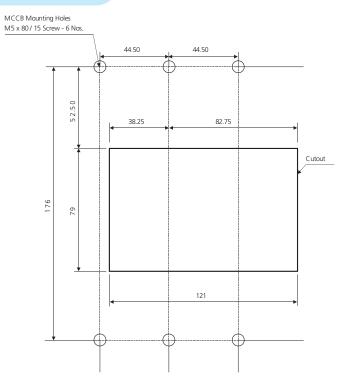
DU100D / DU125D / DU100H / DU125H



DY250U1 / DU250C / DU250

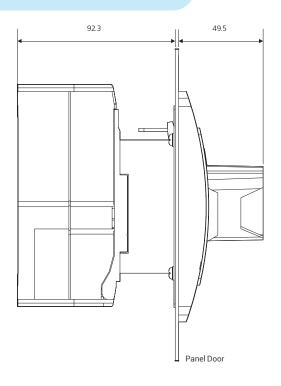


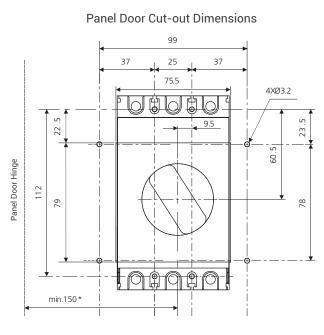
DU400N



Accessories Dimensions

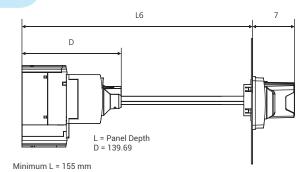
Direct ROM (DY125U)



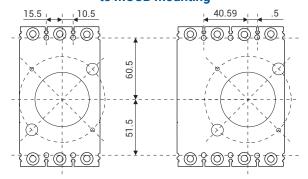


 ${\bf *Minimum\ hinge\ radius\ for\ Horizontal\ /\ Vertical\ MCCB\ installation}$

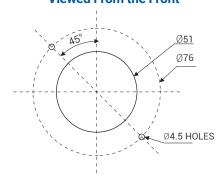
Extended ROM (DY125U)



Vertical & Horizontal References with Respects to MCCB Mounting

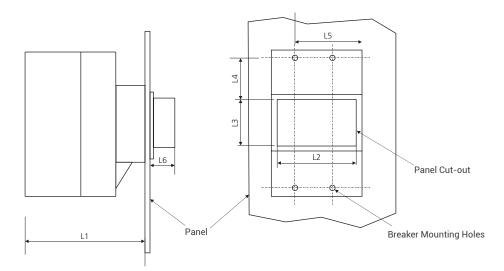


Panel Cut Details as Viewed From the Front



Direct ROM

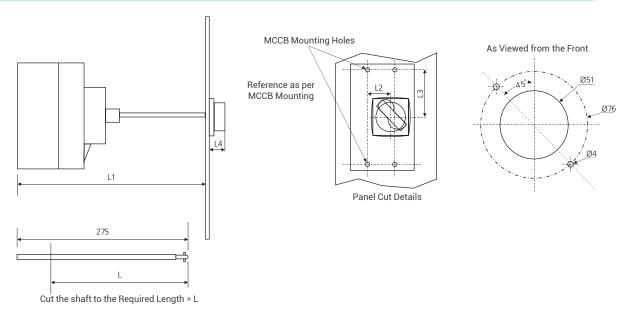
(For DU100D / DU125D / DU100H / DU125H / DY250U1 / DU250C / DU250 / DU400N)



Туре	L1	L2	L3	L4	L5	L6
DU100D/DU125D/DU100H/DU125H	96.5	58	52	43.5	37	85
DY250U1/DU250C/DU250	96.5	73	52	56.5	54	77
DU400N	145	121	87	41	82	95

L1 = Mounting Depth L2/L3 = Panel Cut-out L4/L5 = Breaker Mounting Reference L6 = Depth outside the panel

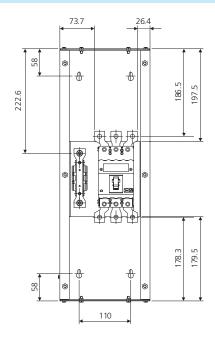
Extended ROM (For DU100D / DU125D / DU100H / DU125H / DY250U1 / DU250C / DU250 / DU400N)

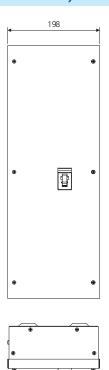


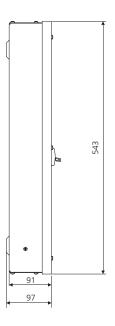
Туре	L1	L	L2	L3
DU100D/DU125D/DU100H/DU125H	169	L1-119	7.5	69.5
DY250U1/DU250C/DU250	169	L1-119	24.5	81.7
DU400N	233	L1-183	39	93

L = Length of Shaft required for Panel Depth L1 (mm) L1 = Min. Panel depth (mm) L4 = Depth outside the panel

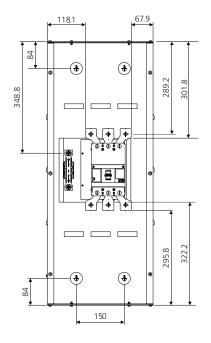
Size I Enclosure (For DU100D / DU125D / DU100H / DU125H / DY125U)

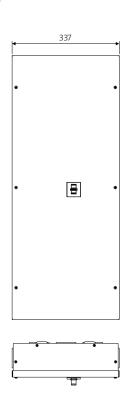


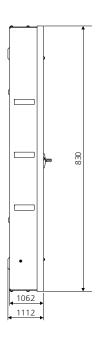




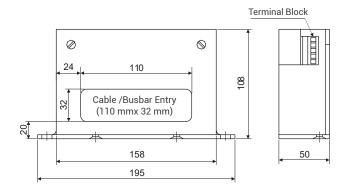
Size II Enclosure (For DY250U1 / DU250C / DU250)

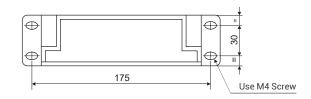




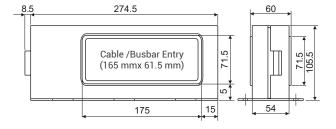


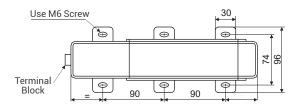
Ground Fault Module 1 (GF1)



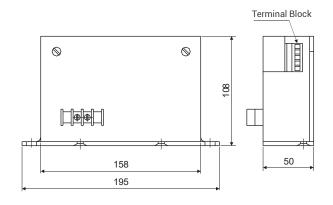


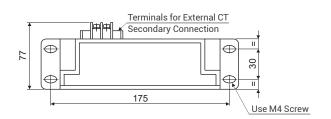
Ground Fault Module 2 (GF2)





Ground Fault Module 11 (GF11)





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