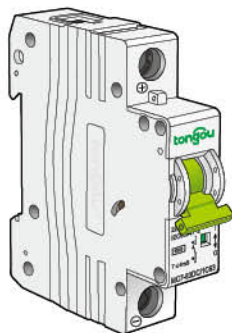




TOMC7DC-63 Miniature Circuit Breaker

IEC 60947-2



■ TOMC7DC-63 circuit breakers are multi-standard circuit breakers which combine the following functions:

- ☐ Circuit protection against short-circuit currents,
- ☐ Circuit protection against overload currents,
- ☐ Suitable for industrial isolation according to IEC/EN 60947-2, standard.

Main

Product or component type	Miniature circuit-breaker
Device application	Distribution
Poles description	1P
Number of protected poles	1
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6kA

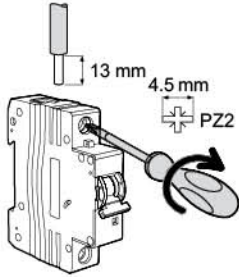
Complementary

[Ue] rated operational voltage		250V DC
Control type		Toggle
Local signalling		ON/OFF indication
Mounting mode		Clip-on
Mounting support		DIN rail 35mm
Colour		Grey
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical durability	20,000 cycles

Environment

Standards	IEC 60947-2
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529
	IP20 conforming to IEC 60529
Operating altitude	2000 m
Ambient air temperature for operation	-35°C to +70°C
Ambient air temperature for storage	-40°C to +85°C

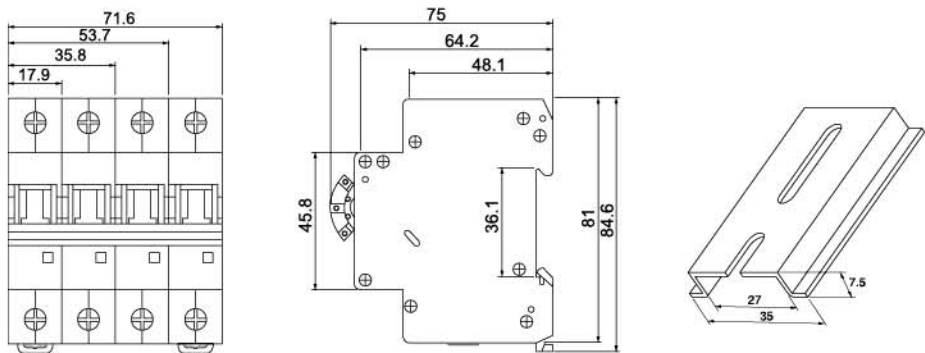
Connection

Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
			
1 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
32 to 63 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Catalog numbers

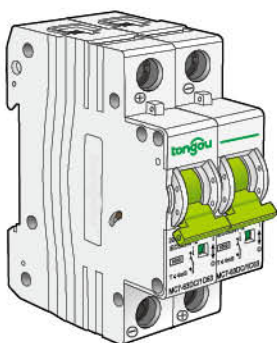
Type				Width 9 mm modules
1P	Rating (In)	C Curve	D Curve	
	1A	TOMC7DC-63/1/C1	TOMC7DC-63/1/D1	2
	3A	TOMC7DC-63/1/C3	TOMC7DC-63/1/D3	
	5A	TOMC7DC-63/1/C5	TOMC7DC-63/1/D5	
	6A	TOMC7DC-63/1/C6	TOMC7DC-63/1/D6	
	10A	TOMC7DC-63/1/C10	TOMC7DC-63/1/D10	
	16A	TOMC7DC-63/1/C16	TOMC7DC-63/1/D16	
	20A	TOMC7DC-63/1/C20	TOMC7DC-63/1/D20	
	25A	TOMC7DC-63/1/C25	TOMC7DC-63/1/D25	
	32A	TOMC7DC-63/1/C32	TOMC7DC-63/1/D32	
	40A	TOMC7DC-63/1/C40	TOMC7DC-63/1/D40	
	50A	TOMC7DC-63/1/C50	TOMC7DC-63/1/D50	
	63A	TOMC7DC-63/1/C63	TOMC7DC-63/1/D63	

Dimensions (mm)





TOMC7DC-63 Miniature Circuit Breaker



IEC 60947-2

- TOMC7DC-63 circuit breakers are multi-standard circuit breakers which combine the following functions:
 - ☐ Circuit protection against short-circuit currents,
 - ☐ Circuit protection against overload currents,
 - ☐ Suitable for industrial isolation according to IEC/EN 60947-2, standard.
 - ☐ Fault tripping indication by a red mechanical indicator in circuit breaker front face.

Main

Product or component type	Miniature circuit-breaker
Device application	Distribution
Poles description	2P
Number of protected poles	2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6kA

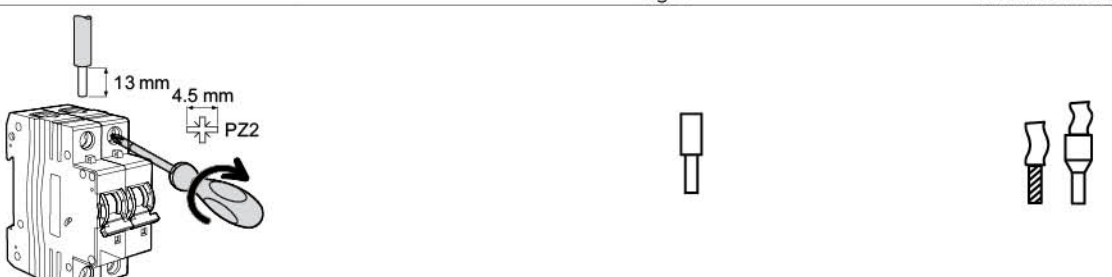
Complementary

[Ue] rated operational voltage		800V DC
Control type		Toggle
Local signalling		ON/OFF indication
Mounting mode		Clip-on
Mounting support		DIN rail 35mm
Colour		Grey
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical durability	20,000 cycles

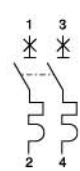
Environment

Standards	IEC 60947-2
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529
	IP20 conforming to IEC 60529
Operating altitude	2000 m
Ambient air temperature for operation	-35°C to +70°C
Ambient air temperature for storage	-40°C to +85°C

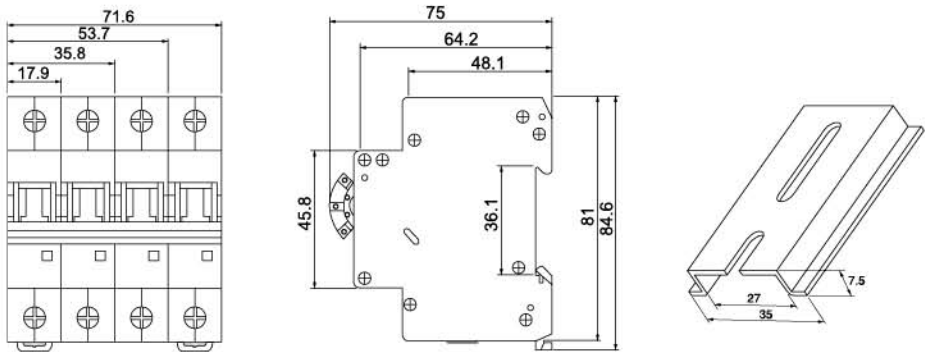
Connection

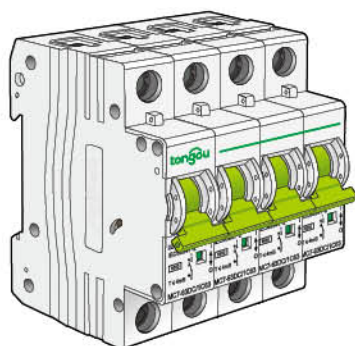
Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
			
1 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
32 to 63 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Catalog numbers

Type				Width 9 mm modules
2P	Rating (In)	C Curve	D Curve	
	1A	TOMC7DC-63/2/C1	TOMC7DC-63/2/D1	4
	3A	TOMC7DC-63/2/C3	TOMC7DC-63/2/D3	
	5A	TOMC7DC-63/2/C5	TOMC7DC-63/2/D5	
	6A	TOMC7DC-63/2/C6	TOMC7DC-63/2/D6	
	10A	TOMC7DC-63/2/C10	TOMC7DC-63/2/D10	
	16A	TOMC7DC-63/2/C16	TOMC7DC-63/2/D16	
	20A	TOMC7DC-63/2/C20	TOMC7DC-63/2/D20	
	25A	TOMC7DC-63/2/C25	TOMC7DC-63/2/D25	
	32A	TOMC7DC-63/2/C32	TOMC7DC-63/2/D32	
	40A	TOMC7DC-63/2/C40	TOMC7DC-63/2/D40	
	50A	TOMC7DC-63/2/C50	TOMC7DC-63/2/D50	
	63A	TOMC7DC-63/2/C63	TOMC7DC-63/2/D63	

Dimensions (mm)





IEC 60947-2

- TOMC7DC-63 circuit breakers are multi-standard circuit breakers which combine the following functions:
 - ☐ Circuit protection against short-circuit currents,
 - ☐ Circuit protection against overload currents,
 - ☐ Suitable for industrial isolation according to IEC/EN 60947-2, standard.
 - ☐ Fault tripping indication by a red mechanical indicator in circuit breaker front face.

Main

Product or component type	Miniature circuit-breaker
Device application	Distribution
Poles description	4P
Number of protected poles	4
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6kA

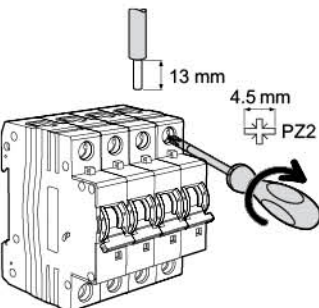
Complementary

[Ue] rated operational voltage		1000V DC
Control type		Toggle
Local signalling		ON/OFF indication
Mounting mode		Clip-on
Mounting support		DIN rail 35mm
Colour		Grey
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical durability	20,000 cycles

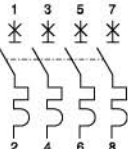
Environment

Standards	IEC 60947-2
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529
	IP20 conforming to IEC 60529
Operating altitude	2000 m
Ambient air temperature for operation	-35°C to +70°C
Ambient air temperature for storage	-40°C to +85°C

Connection

Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
			
1 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
32 to 63 A	2.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Catalog numbers

Type				Width 9 mm modules
4P	Rating (In)	C Curve	D Curve	
	1A	TOMC7DC-63/4/C1	TOMC7DC-63/4/D1	8
	3A	TOMC7DC-63/4/C3	TOMC7DC-63/4/D3	
	5A	TOMC7DC-63/4/C5	TOMC7DC-63/4/D5	
	6A	TOMC7DC-63/4/C6	TOMC7DC-63/4/D6	
	10A	TOMC7DC-63/4/C10	TOMC7DC-63/4/D10	
	16A	TOMC7DC-63/4/C16	TOMC7DC-63/4/D16	
	20A	TOMC7DC-63/4/C20	TOMC7DC-63/4/D20	
	25A	TOMC7DC-63/4/C25	TOMC7DC-63/4/D25	
	32A	TOMC7DC-63/4/C32	TOMC7DC-63/4/D32	
	40A	TOMC7DC-63/4/C40	TOMC7DC-63/4/D40	
	50A	TOMC7DC-63/4/C50	TOMC7DC-63/4/D50	
	63A	TOMC7DC-63/4/C63	TOMC7DC-63/4/D63	

Dimensions (mm)

