EKL1-63B 10KA B Type RCCB

Residual Current Circuit Breaker

Standard_ IEC61008-1
IEC62423

Technical Data

Electrical Features	Mode	Electromagnetic
	Type(wave form of the earth leakage sensed)	B
	Rated current In	25,40,63A
	Poles	4P
	Rated voltage Ue	4P 415V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated residual operation current(I△n)	30mA
	Rated residual making and breaking capacity (I△m)	500(In=2540A) 630(In=63A)
	Short-circuit current Inc= I△c	10,000A
	SCPD fuse	10000
	Break time under I△n	⩽0.1S
	Rated impulse withstand voltage(1.5/50) Uimp	4000V
	Dielectric test voltage at ind.Freq. for 1min	2.5kV
	Electrical life	2,000 Cycles
	Mechanical life	4,000 Cycles
Installation	Contact position indicator	Yes
	Protection degree	IP20
	Ambient temperature(with daily average⩽35°C)	-5°C~+40°C
	Storage temperature	-25°C~+70°C
	Terminal connection type	Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	25mm² 18-3AWG
	Terminal size top/bottom for busbar	25mm² 18-3AWG
	Tightening torque	2.5Nm 22In-lbs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
	Connection	From top and bottom

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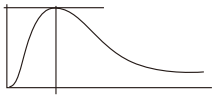
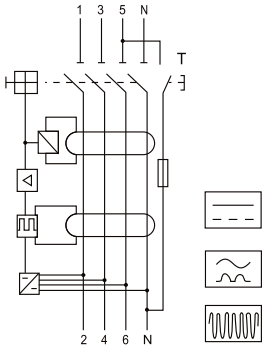
Tripping Current Range

Lagging Angle	I△n>0.01A	I△n≤0.01A
0°	0.35I△n≤I△≤1.4I△n	0.35I△n≤I△≤2I△n
90°	0.25I△n≤I△≤1.4I△n	0.25I△n≤I△≤2I△n
135°	0.11I△n≤I△≤1.4I△n	0.11I△n≤I△≤2I△n

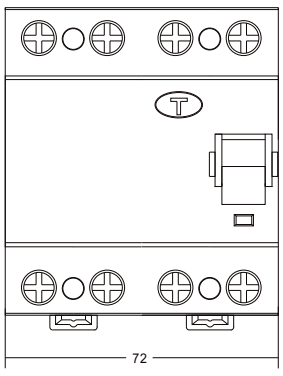
Detectable wave form	Pulsating direct current sensitive	Surge current proof
B class Tripping is ensured for sinusoidal AC residual currents pulsed DC residual currents,alternating residual sinusoidal currents up to 1000Hz,pulsating direct residual currents and for smooth direct residual currents,whether applied suddenly or increasing slowly.	 They react to AC and pulsating DC fault current which reach 0 or almost 0 within one time period of the mains frequency.	 RCCB’ s surge capacity. Not tripping at standardized 8/20 us surge-current waves acc.to VDE 0432 Part 2 with surge current values of up to 250A.

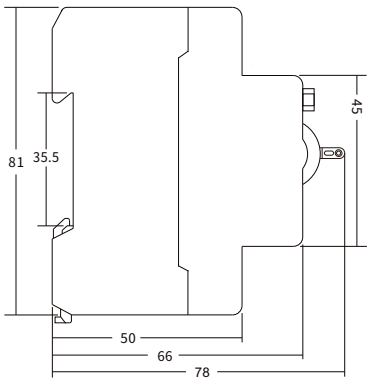
Circuit Diagram

Type B



Overall and Installation Dimension(mm)





Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Certificate of Compliance

No. 0P200106.SME0082

Technical Construction File no. TLSH19123021464, TESH19123021465

Certificate's Holder:

Certification ECM Mark:

Type Approved

Product: RCCB

Model(s): MIDA-80A, MIDA-80AC, MIDA-80B

Rating: (see the following annex I)

Verification to: Standard:
IEC 61008-1:2010,
EN 61008-1:2012+A12:2017,
IEC 62423:2009, EN 62423:2012,
IEC 61543:1995+A2:2005,
EN 61543:1995+A2:2006

related to CE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it
This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE Marking:

We attest that a TCF for the CE Marking process is in place. Whereas the Manufacturer is Responsible to start the CE *Marking Certification Procedure* and to perform all the necessary activities, as required by the Directive before placing the CE Mark on the product(s).

Date of issue 07 January 2020

Chief Manager
Marco Morina

Expiry date 06 January 2025

Deputy Manager
Amanda Payne

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Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Annex I

No. 0P200106.SME0082

Technical Construction File no. TLSH19123021464, TESH19123021465

Rating:

2Pole: 230V/240V (1P+N) 4Pole: 400V/415V (3P+N)
16A, 25A, 32A, 40A, 50A, 63A, 80A
50/60Hz 30mA, 100mA, 300mA / Type B, Type A, Type AC
Im=I△m=500 or 10In, I△c=Inc=10000A

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