

KCMA-RCM-812D**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Difference current transformer** (Residual current monitoring, RCM)

This type is specialised in the detection of residual currents in 3 / 4-wire AC networks.

Its special features are:

Highly sensitive current sensor for the detection of even the smallest residual currents, fixed switching hysteresis of 5%, high safety thanks to integrated overvoltage protection and coverage of a wide frequency range.

General ordering data

Version	Residual current transformer (RCM), Primary current: 18 A, Round conductor: 80.00 mm, Split-core current transformer
Order No.	2656290000
Type	KCMA-RCM-812D
GTIN (EAN)	4050118666342
Qty.	1 pc(s).
Manufacturer	MBS AG

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Technical data

Dimensions and weights

Depth	198 mm	Depth (inches)	7.795 inch
Width	58 mm	Width (inches)	2.283 inch
Length	155 mm	Length (inches)	6.102 inch
Net weight	240 g		

Temperatures

Operating temperature	-5 °C...45 °C
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Measuring current input

Residual current measuring	Yes
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Dimensions of live conductors

Type of conductor	Insulated conductor only	Round conductor	80 mm
Rail	80 x 120 mm	Installation location	Indoor use

Electrical attributes

Frequency band	30...1000 Hz	Primary conductor temperature	70 °C
Primary current	18 A	Secondary current	0...0.04 A
Tolerance class	1	Transmission ratio	1:600

Technical properties

Insulation class	E	Nominal frequency	50 Hz
Protection degree	IP20	Thermal rated continuous current $I_{\text{thermal}} 60 \times I_{\text{rated}}$	for 1 second

Insulation coordination

Standard	EN 60044/1	Tolerance class	1
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Classifications

ETIM 6.0	EC002048	ETIM 7.0	EC002048
ETIM 8.0	EC002048	ETIM 9.0	EC002048
ETIM 10.0	EC002048	ECLASS 9.0	27-21-09-02
ECLASS 9.1	27-21-09-02	ECLASS 10.0	27-21-09-02
ECLASS 11.0	27-21-09-02	ECLASS 12.0	27-21-09-02
ECLASS 13.0	27-21-09-02	ECLASS 14.0	27-21-09-02
ECLASS 15.0	27-21-09-02		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Approvals

ROHS	Conform
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Technical data

Downloads

Approval/Certificate/Document of Con-
formity

[EU Declaration of Conformity](#)

User Documentation

[Device description – Instruction sheet english](#)

Catalogues

[Catalogues in PDF-format](#)

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Drawings

Dimensional drawing

