

## Current Sensor HCME 2000A-0-00-CPA-0

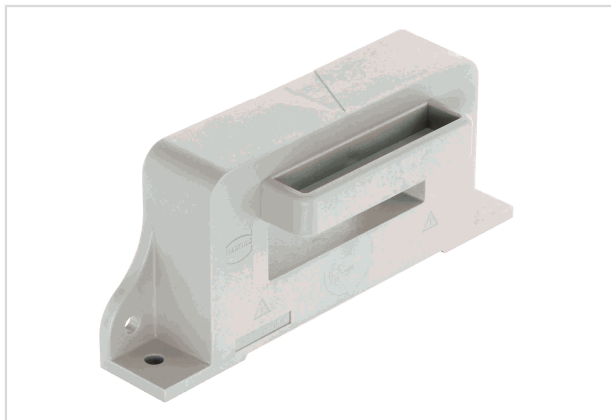


Image is for illustration purposes only. Please refer to product description.

Part number	20 32 200 0201
Specification	Current Sensor HCME 2000A-0-00-CPA-0
HARTING eCatalogue	<a href="https://b2b.harting.com/20322000201">https://b2b.harting.com/20322000201</a>

### Identification

Category	Current measurement
Series	HCME
Element	Current sensor
Sensor technology	Hall-Effekt Open loop
Features	Measurable currents: AC, DC, pulsed, mixed ... Galvanic insulation between primary and secondary current Switchboard mounting Housing material and potting mass have a flammability rating UL 94 V-0 Applications: frequency converters, electrical drives, auxiliary converters

### Version

Termination	Molex 5045-04A
Field of application	Industrial version

### Technical characteristics

$I_{PN}$ Nominal primary current	2,000 A
$I_{PM}$ Primary current, measuring range	0 ... $\pm 5,500$ A
$U_C$ Power supply	$\pm 15$ V $\pm 5$ %
$U_{OUT}$ Output voltage @ $I_{PN}$	4 V
$R_L$ Load resistance	$>1$ k $\Omega$
$I_C$ Current consumption @ $U_{C\ min}$	17 mA
$R_{IN}$ Insulation resistance	$>500,000$ k $\Omega$



Pushing Performance

## Technical characteristics

X Overall accuracy @ $I_{PN}$ , $T_A = 25\text{ °C}$	$\pm 0.7\%$
$E_L$ Linearity	$< 0.7\%$
$U_O$ Offset voltage @ $I_P = 0\text{ A}$ , $T_A = 25\text{ °C}$	$\pm 20\text{ mV}$
$U_{OOL}$ Offset after $I_{Pmax}$	$\pm 30\text{ mV}$
$U_{OT}$ maximum temperature drift of $U_O$	$\pm 1\text{ mV/K}$
$U_{outT}$ thermal gain drift	$\pm 0,1\%/K$
$t_r$ Response time @ $I_{PN}$	$< 3\text{ }\mu\text{s}$
$di/dt$ with optimal coupling	$> 50\text{ A}/\mu\text{s}$
f Frequency	0 ... 50 kHz
$T_A$ Ambient temperature	-40 ... +85 °C
$T_S$ Storage temperature	-45 ... +90 °C
$U_D$ Test voltage, effective (50 Hz, 1 min)	5 kV Primary - secondary
$U_B$ Rated voltage	690 V
$L_S$ Clearance distance	11.5 mm
$K_S$ Creepage distance	16.6 mm
Tightening torque	3.2 Nm (2x steel screw M4 - Vertical) 3.2 Nm (2x steel screw M4 - Horizontal)

## Material properties

Material (hood/housing)	Polycarbonate (PC)
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained

## Specifications and approvals

Specifications	EN 50178 IEC 61373
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