

NEW!

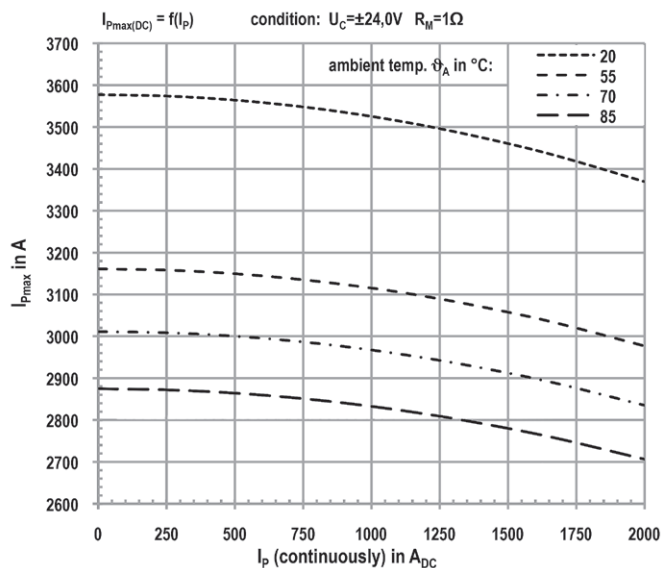
CLOSED LOOP CURRENT SENSOR FOR 1,700 A_{rms}

PRECISION FOR HIGH POWER APPLICATIONS – MOST COMPACT CLOSED-LOOP CURRENT SENSOR FOR NOMINAL DC AND AC CURRENTS ABOVE 1,000 A

VACUUMSCHMELZE developed the first ultra compact current sensor with high accuracy for continuous current up to $I_{PN} = 1,700$ A using MOSFET Class D output stage enabling higher compensation currents with lower power losses compared to linear output stages. The lower heat generation enables a high nominal current and a wide measuring range in extremely compact size.

The measuring range up to 3,400 A @ 20 °C ambient temperature with an accuracy of 0.3 % @ I_{PN} is combined with a very compact size and attractive price compared to any other available sensor on the market in this power class. The sensors can often replace the oversized sensors with 2,000 A I_{PN} leading to a space-optimized and up to 50 % more cost-effective solution.

MEASURING RANGE I_{Pmax} DEPENDING ON THE PRIMARY CONTINUOUS CURRENT I_{PN}

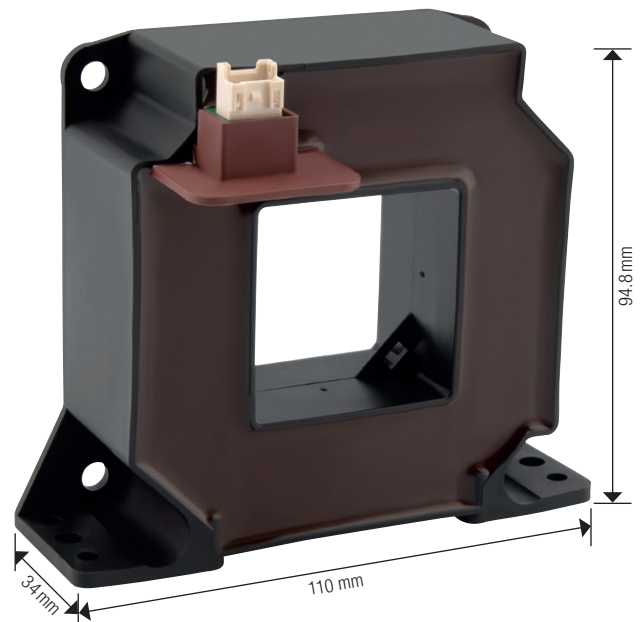


ADVANTAGES OF T60404-P4640-X256

- High I_{PN} of 1,700 A in compact design
- Wide measurement range of 3,400 A
- Low offset (0.1 mA) and low temperature drift (0.1 %)
- Excellent long-term stability
- Superior dynamic properties (rise time and response time < 0.5 μ s)
- Low current consumption (31 mA + compensation current)

TYPICAL APPLICATIONS FOR T60404-P4640-X256

- Drives
- Photovoltaic central inverters
- Power supplies
- Welding equipment
- Wind generators



ADVANCED MAGNETIC SOLUTIONS

VAC[®]
VACUUMSCHMELZE

VACUUMSCHMELZE GMBH & CO. KG

Grüner Weg 37
D 63450 Hanau / Germany
Phone +49 6181 380
Fax +49 6181 382645
info@vacuumschmelze.com
www.vacuumschmelze.com

VACUUMSCHMELZE CHINA MAGNETICS

Shanghai Sales Office
Room 06, 19F
Zhongrong Hengrui International Plaza
620 Zhangyang Road, Pudong District
Shanghai, PRC 200122
Phone +86 21 5831 9837
Fax +86 21 5831 9937
vac_china@vacuumschmelze.com

VAC MAGNETICS LLC

2935 Dolphin Drive
Suite 103
Elizabethtown, KY 42701
Phone +1 270 769 1333
Fax +1 270 769 3118
info-usa@vacmagnetics.com

OMG CHEMICALS & MAGNETICS PVT. LTD.**VACUUMSCHMELZE INDIA OFFICE**

A-101 & 102, Kailas Business Park
Veer Savarkar Road
Park Site
Vikhroli West
Mumbai-400079, Maharashtra
Phone +91 22 2518 0017 / 0018
vac_india@vacuumschmelze.com

Published by VACUUMSCHMELZE GmbH & Co. KG, Hanau
© VACUUMSCHMELZE GmbH & Co. KG 2020. All rights reserved.

® is a Registered Trademark of VACUUMSCHMELZE GmbH & Co. KG

**ADVANCED MAGNETIC SOLUTIONS**