

**CVM IO 160 HDC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The CVM Box for single-pole differential voltage measurement is assembled to customer specifications and can be installed quickly and easily on site using our plug & play solutions. Further engineering services from Weidmüller support safe and comprehensive project realisation. The service life of an electrolysis stack is crucial for the economic efficiency of hydrogen production. By monitoring the differential voltage of the individual cells, our CVM Box makes a decisive contribution to increasing the efficiency of the system. The system becomes monitored thanks to the data analysis and the user can view the technical status at any time, and the CVM box can be used to recognise deviations and plan service and maintenance with foresight.

**General ordering data**

Version	Enclosures, Voltage monitoring, Height: 400 mm, Width: 600 mm, Depth: 132 mm, Basic material: PC-ABS, untreated, Light Grey
Order No.	<a href="#">8000140778</a>
Type	CVM IO 160 HDC
GTIN (EAN)	4099987068079
Qty.	1 items

## CVM IO 160 HDC

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## Technical data

## Dimensions and weights

Depth	132 mm	Depth (inches)	5.1968 inch
Height	400 mm	Height (inches)	15.748 inch
Width	600 mm	Width (inches)	23.622 inch
Net weight	18938.39 g		

## Temperatures

Operating temperature	-20 °C...60 °C	Humidity	10% to 95%, non-condensing as per DIN EN 61131-2
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## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6bl, 6c, 7a, 7cl
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3, Lead monoxide 1317-36-8

## Rated data acc. to IEC

Rated current, max. number of poles (Tu=20°C)	10 A	Rated voltage for surge voltage class / pollution degree II/2	500 V
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## Material data

Insulating material	PC	Insulating material group	II
Surface finish	untreated	Basic material	PC-ABS

## General data

Colour	Light Grey	Protection degree	IP65
Mounting rail	TS 35 x 7.5	Colour chart (similar)	RAL 7035

## Assembly properties

Shielding	No	DIN Rail compatibility	TS 35
Housing version	Plastic, protective insulation	Adjacent	Yes, no gap
Direct mounting possible	Yes		

## Individualization options

Customer specific cutouts possible	Yes	Customer specific labelling possible	Yes
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## Housing properties

Marker integrateable	Yes	Cut out as preparation for functional port	Yes integrated
Continuous current of cross-connection	100 mA	Cross-connection	No
Number of connection levels	160	Number of poles	160

## Connectable conductors

Tightening torque, min.	0.8 Nm	Tightening torque, max.	0.8 Nm
Solid, min. H05(07) V-U	1.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Stranded, max. H07V-R	1.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.75 mm <sup>2</sup>

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**Technical data**

**Standard features**

Version	Voltage monitoring
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**Classifications**

ETIM 8.0	EC001031	ETIM 9.0	EC001031
ETIM 10.0	EC001031	ECLASS 14.0	27-19-02-04
ECLASS 15.0	27-19-02-04		