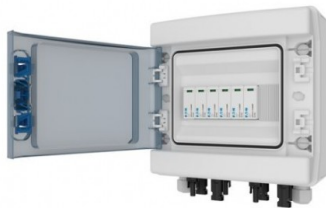


INDUSTRIAL COMPONENT DATA

IKA-SOL20-X22-T2-1/8-MC4-B EP-501989 Y7-501989 EATON ELECTRIC PV DC SPD box 2IN+2OUT Type 2

Brand: EATON - MOELLER | Manufacturer Part Number: IKA-SOL20-X22-T2-1/8-MC4-B



Manufacturer	EATON - MOELLER
MPN / Reference	IKA-SOL20-X22-T2-1/8-MC4-B
Catalog number	Y7-501989
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-2B9FC1992E
Generated	2026-08-06

Product Overview

PV DC SPD box 2IN+2OUT Type 2

Photovoltaic DC string box, 2x IN + 2x OUT, SPD Type2, MC4 connection, IKA-1/8, outdoor protected

Photovoltaic DC string box, factory assembled by Eaton: IEC 61439-2 Annex-DD. For inverters with 2 MPP tracker: 2x IN + 2x OUT, Integrated devices: PV-surge-protection-device type 2, MC4 connectors at the bottom of the box, IKA box 1-row with 8 module units and transparent window, Outdoor installation without solar radiation. For safe operation please note the min. and max. permissible ambient air temperature in the technical data sheet

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path EATON - MOELLER > Compact Distribution Boxes

Additional Product Information

General specifications

Product Name Eaton xComfort IKA SOLAR photovoltaic DC stringbox Catalog Number EP-501989 Model Code IKA-SOL20-X22-T2-1/8-MC4-B EAN 9010653063919 Product Length/Depth 118 mm Product Height 268 mm Product Width 238 mm Product Weight 5.19 kg Certifications IEC 61439-2 Annex DD Delivery program

Color Gray Technical data - electrical

Voltage protection level 3.8 KV Input voltage DC - max 1000 V Rated operational voltage (Ue) 1000 V Rated current InA of the switchgear assembly 2 x 19.5 A Rated current Inc of a circuit 19.5 A Input current per string - max 19.5 A Output current - max 19.5 A Discharge current In (8/20 μs) 20 kA Discharge current Itotal (8/20 μs) - max. 40 kA Technical data - mechanical

Type of inlet Other Enclosure material Polycarbonate (plastic) Height of enclosure 231 mm Length/depth of enclosure 115

mm Width of enclosure 238 mm Mounting method Surface mounting Conductor cross section PE: 16 - 25 mm²
min./max.: 6 mm² Material Plastic Degree of Protection IP65 Impact strength IK10 Protection class II (totally insulated)
Operating temperature - min -25 °C Operating temperature - max 40 °C Relative humidity (Indoor installation) - max 70%
(+30°C)
57% (+40°C)
95% (-5°C - +30°C) Relative humidity (Outdoor installation) - max 60% (+35°C)
46% (+40°C)
100% (-25°C - +27°C) Number of conduit inlets 2 Number of inputs 2 Number of module space units per row 8 Number of
rows 1 Number of string inputs 2 Fuse type Other For fuse size Other Fuse size input...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / IKA-SOL20-X22-T2-1/8-MC4-B with the required quantity to info@electricaonline.com or use
electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd
Floor, JLT, Dubai

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requirements against the manufacturer documentation before purchase or installation.