

INDUSTRIAL COMPONENT DATA

ZX-TDS10T-VL ZX 2018G ZXTDS10TVL OMRON Contact Sensor Air/Vacuum 0.4 microm 10mm

Brand: OMRON | Manufacturer Part Number: ZX-TDS10T-VL



Manufacturer	OMRON
MPN / Reference	ZX-TDS10T-VL
Catalog number	ZXTDS10TVL
Category	Accessories/spare parts for sensor technology
Minimum order	1 Pcs
Document ID	EO-9778E1A1D6
Generated	2026-08-05

Product Overview

Contact Sensor Air/Vacuum 0.4 microm 10mm

Air/Empty Contact Sensor 0.4micras 10mm

Sensor head, air lift/air push type Ø 8mm, distance 4mm (for use with ZX-TDA)

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path OMRON > Advanced sensors > ZX

Additional Product Information

Modular platform concept for different sensing technologies

Air-retracting types for automated inspection

Multipoint measurement with up to 8 sensors

Pressing force alarm prevents malfunction

Strong ball bearing structure assures long life time

Specifications & ordering info

Ordering information

Sensors

Sensor heads

Size

Type

Sensing distance

Resolution (See note.)

Order code

6 dia.

Short type

1 mm

0.1 μm

ZX-TDS01T

Standard type

4 mm

ZX-TDS04T

Low-load type

ZX-TDS04T-L

8 dia.

Standard type

10 mm

0.4 μm

ZX-TDS10T

Ultra-low-load type

ZX-TDS10T-L

Air lift type

ZX-TDS10T-V

Air lift/air push type

ZX-TDS10T-VL

Note: The resolution refers to the minimum value that can be read when a ZX-TDA_1 amplifier unit is connected.

Amplifier units

Power supply

Output type

Order code

DC

NPN

ZX-TDA11

PNP

ZX-TDA41

Accessories (order separately)

Calculating unit

Order code

Calculating unit

ZX-CAL2

ZX-series communications interface unit

Name

Order code

ZX-series communications interface unit

ZX-SF11

SmartMonitor sensor setup tool for Personal Computer connection

Name

Order code

ZX-series communications interface unit

ZX-SF11

ZX-series communications interface unit

+ setup software (CD-ROM)

ZX-SFW11EV31,2

ZX-series sensor setup and logging software (CD-ROM)

ZX-SW11EV31

Cables with connectors on both ends (for extension)*

Cable length

Order code

1 m

ZX-XC1A

4 m

ZX-XC4A

8 m

ZX-XC8A

*Robot cable models are also available. The model numbers are ZX-XC_R.

Preamplifier mounting brackets

Remarks

Order code...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / ZX-TDS10T-VL 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.