

UNT and UNTK design

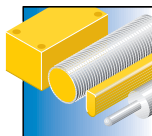


UNTs and UNTKs are mounted quickly and firmly. The devices of the UNTK series are extremely compact and feature a very small switching distance. A pre-fixation lip enables one-handed mounting, even overhead. With the extended range of accessories, the sensors can be mounted on nearly all standard pneumatic cylinders. All standard connection types are available.

Features

- Compact design
- Quickly and firmly mounted
- Excellent EMC properties
- For T-groove cylinders without accessories
- Mounting accessories for all standard cylinders.
- Clearly visible LED
- Twin set for monitoring of two switchpoints

Properties



Designs

Universal design (28 mm) and very compact design (19.7 mm)



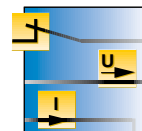
Measuring ranges

Reliable position detection on all standard pneumatic cylinders



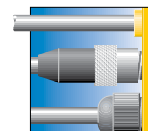
Materials

Rugged PP housing for a wide range of applications



Electrical version

NAMUR, 2, 3 and 4-wire DC



Electrical connections

Cable, male M8 and M12, pigtail



Internet link

Scan the QR code to access our products on the internet

UNTK



General data

Protection class	IP67
Output	—, PNP
Ambient temperature	-25...+70 °C

Operating voltage	10...30 VDC
Housing material	PP
Dimensions	5 x 6 x 19.7 mm

Types and data – selection table

Type	Connection	w	d
BIM-UNTK-AP7X	2 m cable	w079	d432
BIM-UNTK-AP7X-0,3-PSG3M	0.3 m Cable with connector, M8 x 1	w064	d433
BIM-UNTK-AP7X-0,3-RS4	0.3 m Cable with connector, M12 x 1	w064	d434

UNT – cable connection and cable with male end



General data

Protection class	IP67
Ambient temperature	-25...+70 °C

Housing material	PP
Dimensions	5 x 6 x 28 mm

S1139: long overtravel range; S1160: irradiated, weld-resistant cable; S1165: highly resistant cable for the food industry

Types and data – selection table

Type	Connection	Operating voltage	Output	w	d
BIM-UNT-AY1X/S1139	2 m cable	8.2 VDC	NAMUR	w080	d435
BIM-UNT-AY1X-0,3-RS4.21/S1139	0.3 m Cable with connector, M12 x 1	8.2 VDC	NAMUR	w081	d436
BIM-UNT-AP6X	2 m cable	10...30 VDC	—, PNP	w079	d435
BIM-UNT-AP6X 7M	7 m cable	10...30 VDC	—, PNP	w079	d435
BIM-UNT-AP6X/S1139	2 m cable	10...30 VDC	—, PNP	w079	d435
BIM-UNT-AP6X/S1160	2 m cable	10...30 VDC	—, PNP	w079	d435
BIM-UNT-AP6X/3GD	2 m cable	10...30 VDC	—, PNP	w079	d435
BIM-UNT-AP6X-0,3-PSG3S	0.3 m Cable with connector, M8 x 1	10...30 VDC	—, PNP	w064	d437
BIM-UNT-AP6X-0,3-PSG3S/S1139	0.3 m Cable with connector, M8 x 1	10...30 VDC	—, PNP	w064	d437
BIM-UNT-AP6X-0,3-PSG3M	0.3 m Cable with connector, M8 x 1	10...30 VDC	—, PNP	w064	d438
BIM-UNT-AP6X-0,3-PSG3M/S1139	0.3 m Cable with connector, M8 x 1	10...30 VDC	—, PNP	w064	d438
BIM-UNT-AP6X-0,3-RS4	0.3 m Cable with connector, M12 x 1	10...30 VDC	—, PNP	w064	d436
BIM-UNT-AP6X-0,3-RS4/S1139	0.3 m Cable with connector, M12 x 1	10...30 VDC	—, PNP	w064	d436
BIM-UNT-AP6X-0,3-RS4/S1160	0.3 m Cable with connector, M12 x 1	10...30 VDC	—, PNP	w064	d436
BIM-UNT-AG41X/S1139/S1160	2 m cable	10...55 VDC	—, 2-wire	w082	d435

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Type	Connection	Operating voltage	Output	w	d
BIM-UNT-AG41X-0,3-RS4.23/S1139/S1160	0.3 m Cable with connector	10...55 VDC	—, 2-wire	w083	d436

Many different types available, also as NPN version, see type code

UNT – M12 x 1 or male M8 x 1



General data

Protection class	IP67	Operating voltage	10...30 VDC
Output	—, PNP	Housing material	PP
Ambient temperature	-25...+70 °C	Dimensions	5 x 22 x 30 mm

Types and data – selection table

Type	Connection	w	d
BIM-UNT-AP6X2-V1131	male, M8 x 1	w064	d439
BIM-UNT-AP6X2-H1141	male, M12 x 1	w064	d440

Many different types available, also as NPN version, see type code

UNT – Twin set



General data

Protection class	IP67	Operating voltage	10...30 VDC
Output	—, PNP	Housing material	PP
Ambient temperature	-25...+70 °C	Dimensions	5 x 22 x 30 mm

Types and data – selection table

Type	Connection	w	d
BIM-UNT-0,3-UNT-2AP6X3-V1141	male, M8 x 1	w084	d441
BIM-UNT-0,3-UNT-2AP6X3-H1141	male, M12 x 1	w084	d442

