

Магнитни сензори - UNT дизайн

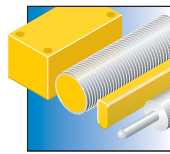


UNTs are mounted quickly and firmly. A pre-fixation lip enables one-handed mounting, even overhead. With the extended range of accessories, the sensors can be mounted on nearly all standard pneumatic cylinders. All standard connection types are available.

Features

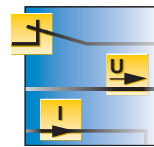
- Compact design
- Quickly and firmly mounted
- Excellent EMC immunity
- For T-groove cylinders without accessories
- Mounting accessories for all standard cylinders.
- Clearly visible LED
- Twin set for switchpoint monitoring

Properties



Design

One type for all standard pneumatic cylinders



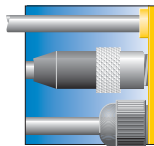
Electrical versions

NAMUR, 2, 3 and 4-wire DC



Measuring ranges

Reliable position detection on all standard pneumatic cylinders



Electrical connections

All standard connection types available, cable, connector or pigtail



Materials

Rugged PP housing for a wide range of applications

UNT – Cable connection



General data

Dimensions	5 x 6 x 28 mm	Protection class	IP67
Electrical connection	cable	Material housing	PP
Switching frequency	1 kHz	Material active face	PP

Types and data – selection table

Type	Output	Operating voltage	Ambient temperature	Material cable	w	d
BIM-UNT-AP6X	—, PNP	10...30 VDC	-25...+70 °C	PUR 2 m	w059	d363
BIM-UNT-AP6X 7M	—, PNP	10...30 VDC	-25...+70 °C	PUR 7 m	w059	d363
BIM-UNT-AP6X/S1139	—, PNP	10...30 VDC	-25...+70 °C	PUR 2 m	w059	d363
BIM-UNT-AP6X/S1160	—, PNP	10...30 VDC	-25...+70 °C	TPU 2 m	w059	d363
BIM-UNT-AP6X/S100/S1165	—, PNP	10...30 VDC	-25...+100 °C	TPE 2 m	w059	d363
BIM-UNT-AP6X/3GD	—, PNP	10...30 VDC	-25...+70 °C	PUR 2 m	w059	d363
BIM-UNT-AN6X	—, NPN	10...30 VDC	-25...+70 °C	PUR 2 m	w005	d363
BIM-UNT-AG41X/S1139/S1160	—, 2-wire	10...55 VDC	-25...+70 °C	TPU 2 m	w065	d363
BIM-UNT-AG41X/S1139/S1160 7M	—, 2-wire	10...55 VDC	-25...+70 °C	TPU 7 m	w065	d363
BIM-UNT-AY1X/S1139	NAMUR	nom. 8.2 VDC	-25...+70 °C	PVC 2 m	w019	d363
BIM-UNT-AY1X/S1139 7M	NAMUR	nom. 8.2 VDC	-25...+70 °C	PVC 7 m	w019	d363

UNT – Pigtail with M8 x 1 connector



General data

Dimensions	5 x 6 x 28 mm	Material housing	PP
Switching frequency	1 kHz	Material active face	PP
Ambient temperature	-25...+70 °C	Material cable	PUR 0.3 m
Protection class	IP67		

Types and data – selection table

Type	Output	Electrical connection	Operating voltage	w	d
BIM-UNT-AP6X-0,3-PSG3S	—, PNP	connector, fixed thread, Ø 8 mm	10...30 VDC	w001	d364
BIM-UNT-AP6X-0,3-PSG3S/S1139	—, PNP	connector, fixed thread, Ø 8 mm	10...30 VDC	w001	d364
BIM-UNT-AN6X-0,3-PSG3S	—, NPN	connector, fixed thread, Ø 8 mm	10...30 VDC	w002	d364
BIM-UNT-AP6X-0,3-PSG3M	—, PNP	connector rotatable thread, M8 x 1	10...30 VDC	w001	d365
BIM-UNT-AP6X-0,3-PSG3M/S1139	—, PNP	connector rotatable thread, M8 x 1	10...30 VDC	w001	d365
BIM-UNT-AN6X-0,3-PSG3M	—, NPN	connector rotatable thread, M8 x 1	10...30 VDC	w002	d365

UNT – Pigtail with M12 x 1 connector



General data

Dimensions	5 x 6 x 28 mm
Electrical connection	connector, M12 x 1
Switching frequency	1 kHz
Ambient temperature	-25...+70 °C

Protection class	IP67
Material housing	PP
Material active face	PP

Types and data – selection table

Type	Output	Operating voltage	Material cable	w	d
BIM-UNT-AP6X-0,3-RS4	—, PNP	10...30 VDC	PUR 0.3 m	w001	d366
BIM-UNT-AP6X-0,3-RS4/S1139	—, PNP	10...30 VDC	PUR 0.3 m	w001	d366
BIM-UNT-AP6X-0,3-RS4/S1160	—, PNP	10...30 VDC	TPU 0.3 m	w001	d366
BIM-UNT-AG41X-0,3-RS4.23/S1139/S1160	—, 2-wire	10...55 VDC	TPU 0.3 m	w032	d366
BIM-UNT-AY1X-0,3-RS4.21/S1139	NAMUR	nom. 8.2 VDC	PVC 0.3 m	w021	d366

UNT – M12 x 1 or M8 x 1 connector



General data

Dimensions	5 x 22 x 30 mm
Operating voltage	10...30 VDC
Switching frequency	1 kHz
Ambient temperature	-25...+70 °C

Protection class	IP67
Material housing	PP
Material active face	PP

Types and data – selection table

Type	Output	Electrical connection	w	d
BIM-UNT-AP6X2-V1131	—, PNP	connector, M8 x 1	w001	d367
BIM-UNT-AP6X2-H1141	—, PNP	connector, M12 x 1	w001	d368
BIM-UNT-AN6X2-V1131	—, NPN	connector, M8 x 1	w002	d367
BIM-UNT-AN6X2-H1141	—, NPN	connector, M8 x 1	w002	d368

UNT – Twin set



General data

Dimensions	5 x 22 x 30 mm	Protection class	IP67
Operating voltage	10...30 VDC	Material housing	PP
Switching frequency	1 kHz	Material active face	PP
Ambient temperature	-25...+70 °C	Material cable	PUR 0.3 m

Types and data – selection table

Type	Output	Electrical connection	w	d
BIM-UNT-0,3-UNT-2AP6X3-V1141	—, PNP	connector, M8 x 1	w066	d369
BIM-UNT-0,3-UNT-2AP6X3-H1141	—, PNP	connector, M12 x 1	w066	d370
BIM-UNT-0,3-UNT-2AN6X3-H1141	—, NPN	connector, M12 x 1	w066	d370