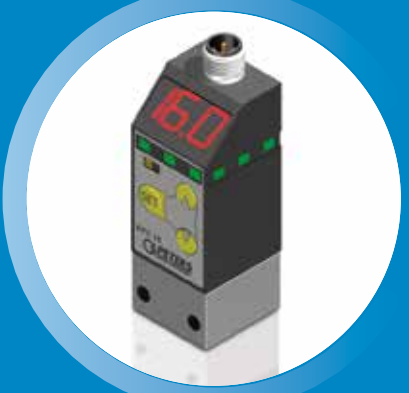
Pneutech

Pneumatics Australia

PETERS INDU-PRODUKT®

INDUSTRIAL . AUTOMOTIVE . AUTOMATION . ENERGY

INDIVIDUAL INDUSTRIAL SOLUTIONS



INTELLIGENT SOLUTIONS

FOR MORE EFFICIENCY AND SAFETY

LED DISPLAY

DISPLAY 180° PROGRAMMABLE

CERAMIC SENSING ELEMENT

2 OUTPUTS HYSTERESIS FREE PROGRAMMABLE/4-20MA

PROTECTION CLASS IP 67

QUALITY AND INNOVATIONS
FROM GERMANY

FOUNDED IN 1974, PETERS INDU-PRODUKT HAS DEVELOPED INTO A COMPANY THAT OPERATES ON AN INTERNATIONAL BASE. PERFECTION IS OUR CONSTANT AIM AND TECHNICAL KNOWLEDGE IS THE TOOL WE USE TO ACHIEVE IT. WITH THIS STRATEGY, WE HAVE DEVELOPED A STANDARD OF QUALITY THAT HAS CONTINUALLY CONVINCED CUSTOMERS WORLDWIDE. WE ARE CONSTANTLY EXPANDING OUR PRODUCT PORTFOLIOS IN THE INDUSTRIAL, AUTOMOTIVE, AUTOMATION AND ENERGY FIELDS. MOREOVER, WE DEVELOP TAILOR-MADE SOLUTIONS THAT SUIT THE NEEDS OF OUR CUSTOMERS – RIGHT FROM THE INITIAL IDEA TO THE FINISHED PRODUCT.

INDUSTRIAL

Our “Industrial” business field/unit offers not only valve connectors that meet DIN 43 650 and EN 175301-803 standards, but also an entire range that includes pressure switches, pressure transmitters, cylinders, proximity switches, relays and opto-coupler modules. Our connectors and electronic components are widely used in the fields of automation technology, mechanical engineering and plant engineering. In addition to standard connectors, our customers can also choose from a wide customised selection that features varying numbers of contacts as well as various types and lengths of cable. Integrated LED displays and moulded connectors are also available as options. Our range of connectors and built-in plugs can be individually customised to guarantee that our products suit your application.

Please feel free to contact us if you have any questions.

ORDER CODE

EN 175301-803

G – Connector

D – DIN
I – Industrial

A – Form A
B – Form B
C – Form C

3 – 3-poles
4 – 4-poles

0 – Without circuit
Y – LED yellow
G – LED green
R – LED red
D – Diode
T – Z-Diode (Transil)
L – Rectifier
V – Varistor
E – Amplifier
H1 (...9) – Pressure switch
C – Capacitor
S – Special circuit

1 – PG 11
9 – PG 9
7 – PG 7
M – M16x1.5

Position protective earth contact
0 – PE 12h
6 – PE 6h
3 – PE 3h
9 – PE 9h

S – Black
G – Grey
T – Transparent

1 – 12 Volt
2 – 24 Volt
4 – 48 Volt
5 – 115 Volt
6 – 230 Volt

1 – Profile gasket
2 – Flat gasket

1 – PVC cable
2 – PUR cable

1 – 1 m
3 – 3 m
5 – 5 m
0 – 10 m

H – High version
R – Knurled screw

S – Special gland black
G – Special gland grey
M – M12-connection

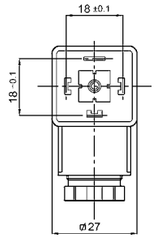
EXAMPLE

G	D	A	3	Y	V	9	0	T	2	1	1	5	R	S

CONNECTOR A

3- OR 4-POLE

Connector A
3- or 4-pole

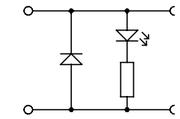


DETAILS

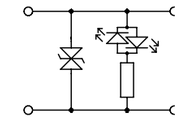
- _ **DIN 43650/EN 175301-803**
- _ Contact spacing **18 mm**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **10 A**
- _ Max. current **16 A**
- _ Max. wire gauge **1,5 mm²**
- _ Cable gland **PG9/PG11/M16 optional**
- _ Cable diameter **6–8 mm/ 8–10 mm**
- _ Protection class **IP65 (EN 60529)**
- _ Housingmaterial **PA+30%GF**
- _ Contactmaterial **CuZn (Ag)**
- _ Gasket (profil=1 / flat=2)* **thermoplastic rubber**
- _ Screw **M3**
- _ Temperature range **–40 °C to +125 °C**

CONNECTOR A

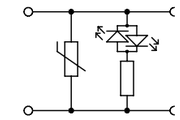
WITH CIRCUIT



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



YV: LED+Varistor 24 VAC/DC

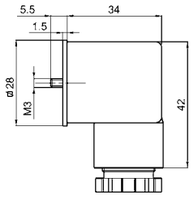
Connector A
with circuit

DETAILS

- _ **DIN 43650/EN 175301-803**
- _ Contact spacing **18 mm**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **10 A**
- _ Max. current **16 A**
- _ Max. wire gauge **1,5 mm²**
- _ Cable gland **PG9/PG11/M16 optional**
- _ Cable diameter **6–8 mm**
- _ Protection class **IP65 (EN 60529)**
- _ Housingmaterial **PA**
- _ Contactmaterial **CuZn (Ag)**
- _ Gasket (profil=1 / flat=2)* **thermoplastic rubber**
- _ Screw **M3**
- _ Temperature range **–30 °C to +90 °C**

CONNECTOR A

WITH PWM



Connector A
with PWM

DETAILS

- _ **DIN 43650/EN 175301-803**
- _ Contact spacing **18 mm**
- _ Rated voltage **24 VDC**
- _ Current **4 A**
- _ On time 100% **1 s**
- _ Holding power after 1s **40%**
- _ PWM frequency **250 Hz**
- _ Cable diameter **6–8 mm**
- _ Protection class **IP65 (EN 60529)**
- _ Housingmaterial **PA**
- _ Contactmaterial **CuZn (Ag)**
- _ Gasket flat **thermoplastic rubber**
- _ Screw **M3**
- _ Temperature range **–30 °C to +70 °C**

ORDER CODE

CONNECTOR A

CONNECTOR A, 3- OR 4-POLE

Type		PG9	PG11
Colour	Contacts	Part No.	Part No.
black	2+PE	GDA3090S61	GDA3010S61
black	3+PE	GDA4090S61	GDA4010S61
grey	2+PE	on request	on request
grey	3+PE	on request	on request

CONNECTOR A, WITH CIRCUIT

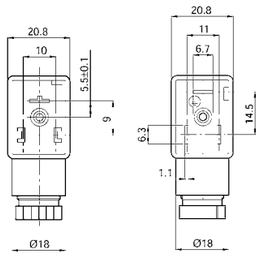
Type		PG9	M16	
Colour	Contacts	Part No.	Part No.	Circiut
		GDA3YD90T21		
transparent	2+PE	GDA3YT90T21	GDA3YDM0T21	LED+Diode
transparent	2+PE	GDA3YV90T21	GDA3YTM0T21	LED+Z-Diode
transparent	2+PE		GDA3YVM0T21	LED+Varistor

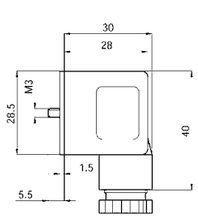
CONNECTOR A, WITH PWM

Type	Part No.	Special Feature
100 VA	709153	processor controlled

CONNECTOR B

STYLE B IND./STYLE B DIN/EN





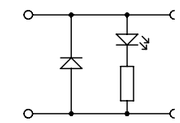
Connector B
B-Ind. or B-DIN/EN

DETAILS

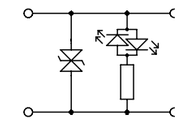
- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **10 mm (DIN/EN), 11 mm (Industrial)**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **6 A**
- _ Max. current **10 A**
- _ Max. wire gauge **1,5 mm²**
- _ Cable gland **PG9/M16 optional**
- _ Cable diameter **6–8 mm**
- _ Protection class **IP65 (EN 60529)**
- _ Housingmaterial **PA+30%GF**
- _ Contactmaterial **CuZn (Ag)**
- _ Gasket (profil=1 / flat=2)* **thermoplastic rubber**
- _ Screw **M3**
- _ Temperature range **–40 °C to +125 °C**

CONNECTOR B

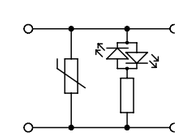
WITH CIRCUIT



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



YV: LED+Varistor 24 VAC/DC

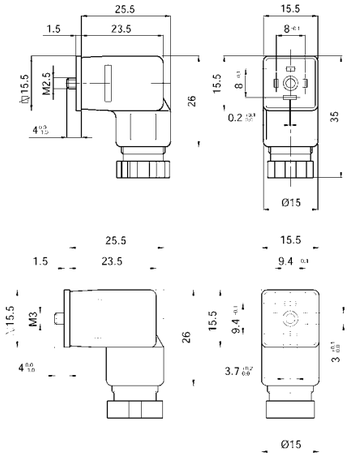
Connector B
with circuit

DETAILS

- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **10 mm (DIN/EN), 11 mm (Industrial)**
- _ Rated voltage **24 V**
- _ Operating current **6 A**
- _ Max. current **10 A**
- _ Max. wire gauge **1,5 mm²**
- _ Cable gland **PG9/M16 optional**
- _ Cable diameter **6–8 mm**
- _ Protection class **IP65 (EN 60529)**
- _ Housingmaterial **PA**
- _ Contactmaterial **CuZn (Ag)**
- _ Gasket (profil=1 / flat=2)* **thermoplastic rubber**
- _ Screw **M3**
- _ Temperature range **–30 °C to +90 °C**

CONNECTOR C

STYLE C IND./STYLE C DIN/EN



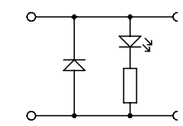
Connector C
C-Ind. or C-DIN/EN

DETAILS

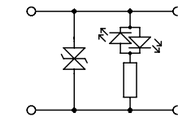
- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **8 mm (DIN/EN), 9,4 mm (Industrial)**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **6 A**
- _ Max. current **10 A**
- _ Max. wire gauge **0,75 mm²**
- _ Cable gland **PG7/M16 optional**
- _ Cable diameter **4–6 mm**
- _ Protection class **IP65 (EN 60529)**
- _ Housingmaterial **PA+30%GF**
- _ Contactmaterial **CuZn (Ag)**
- _ Gasket (profil=1 / flat=2)* **thermoplastic rubber**
- _ Screw **M2,5 (DIN/EN)/M3 (Industrial)**
- _ Temperature range **–40 °C to +125 °C**

CONNECTOR C

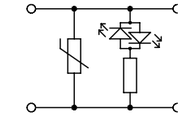
WITH CIRCUIT



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



YV: LED+Varistor 24 VAC/DC

Connector C
with circuit

DETAILS

- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **8 mm (DIN/EN), 9,4 mm (Industrial)**
- _ Rated voltage **24 V**
- _ Operating current **6 A**
- _ Max. current **10 A**
- _ Max. wire gauge **0,75 mm²**
- _ Cable gland **PG7/M16 optional**
- _ Cable diameter **4–6 mm**
- _ Protection class **IP65 (EN 60529)**
- _ Housingmaterial **PA**
- _ Contactmaterial **CuZn (Ag)**
- _ Gasket (profil=1 / flat=2)* **thermoplastic rubber**
- _ Screw **M2,5 (DIN/EN)/M3 (Industrial)**
- _ Temperature range **–30 °C to +90 °C**

ORDER CODE

CONNECTOR B+C

CONNECTOR B, STYLE B-IND. OR B-DIN/EN

Type		10 mm	11 mm
Colour	Contacts	Part No.	Part No.
black	2+PE	GDB3090S61	GIB3090S61
grey	2+PE	on request	on request

CONNECTOR B, WITH CIRCUIT

Type		10 mm	11 mm	
Colour	Contacts	Part No.	Part No.	Circuit
transparent	2+PE	GDB3YD90T21	GIB3YD90T21	LED+Diode
transparent	2+PE	GDB3YT90T21	GIB3YT90T21	LED+Z-Diode
transparent	2+PE	GDB3YV90T21	GIB3YV90T21	LED+Varistor

CONNECTOR C, STYLE C-IND. OR C-DIN/EN

Type		8 mm	9,4 mm
Colour	Contacts	Part No.	Part No.
black	2+PE	GDC3070S61	GIC3070S61
black	3+PE	GDC4070S61	GIC4070S61

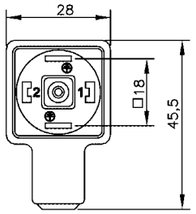
CONNECTOR C, WITH CIRCUIT

Type		8 mm	9,4 mm	
Colour	Contacts	Part No.	Part No.	Circuit
transparent	2+PE	GDC3YD70T21	GIC3YD70T21	LED+Diode
transparent	2+PE	GDC3YT70T21	GIC3YT70T21	LED+Z-Diode
transparent	2+PE	GDC3YV70T21	GIC3YV70T21	LED+Varistor

PERFECT SOLUTIONS BY GERMAN ENGINEERING

CONNECTOR A
MOLDED

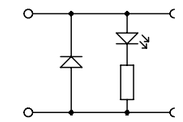
Connector A
molded



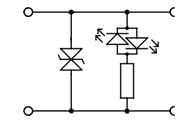
DETAILS

- _ **DIN 43650/EN 175301-803**
- _ Contact spacing **18 mm**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **10 A**
- _ PVC-cable **3 x 0,75 mm²/4 x 0,75 mm²**
- _ Cable diameter **6–7 mm**
- _ Protection class **IP67**
- _ Housingmaterial **PUR**
- _ Screw **M3**
- _ Temperature range **–25 °C to +80 °C**

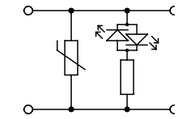
CONNECTOR A
WITH LED



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



YV: LED+Varistor 24 VAC/DC

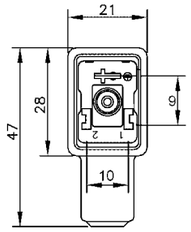
Connector A
with LED

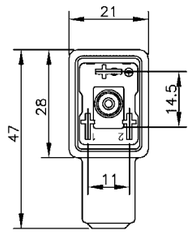
DETAILS

- _ **DIN 43650/EN 175301-803**
- _ Contact spacing **18 mm**
- _ Rated voltage **24 V**
- _ Operating current **5 A**
- _ Operating indicator **LED yellow**
- _ Protection circuit **yes**
- _ PVC-cable **3 x 0,75 mm²**
- _ Cable diameter **6–7 mm**
- _ Protection class **IP67**
- _ Housingmaterial **PUR**
- _ Screw **M3**
- _ Temperature range **–25 °C to +80 °C**

CONNECTOR/ B

MOLDED





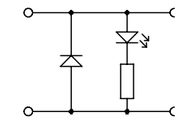
Connector B
molded

DETAILS

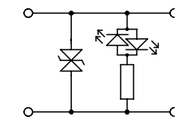
- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **10 mm (DIN/EN), 11 mm (Industrial)**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **10 A**
- _ PVC-cable **3 x 0,75 mm²**
- _ Cable diameter **6–7 mm**
- _ Protection class **IP67**
- _ Housingmaterial **PUR**
- _ Screw **M3**
- _ Temperature range **–25 °C to +80 °C**

CONNECTOR B

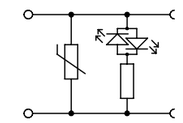
WITH LED



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



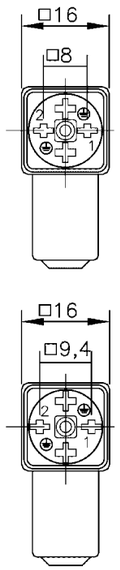
YV: LED+Varistor 24 VAC/DC

Connector B
with LED

DETAILS

- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **10 mm (DIN/EN), 11 mm (Industrial)**
- _ Rated voltage **24 V**
- _ Operating current **5 A**
- _ Operating indicator **LED yellow**
- _ Protection circuit **yes**
- _ PVC-cable **3 x 0,75 mm²**
- _ Cable diameter **6–7 mm**
- _ Protection class **IP67**
- _ Housingmaterial **PUR**
- _ Screw **M3**
- _ Temperature range **–25 °C to +80 °C**

CONNECTOR C
MOLDED

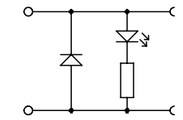


Connector C
molded

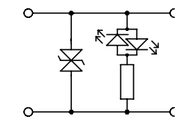
DETAILS

- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **8 mm (DIN/EN), 9,4 mm (Industrial)**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **6 A**
- _ PVC-cable **3 x 0,5 mm²**
- _ Cable diameter **5–6 mm**
- _ Protection class **IP67**
- _ Housingmaterial **PUR**
- _ Screw **M2,5 (DIN/EN), M3 (Industrial)**
- _ Temperature range **–25 °C to +80 °C**

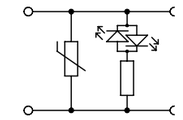
CONNECTOR C
WITH LED



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



YV: LED+Varistor 24 VAC/DC

Connector C
with LED

DETAILS

- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **8 mm (DIN/EN), 9,4 mm (Industrial)**
- _ Rated voltage **24 V**
- _ Operating current **3 A**
- _ Operating indicator **LED yellow**
- _ Protection circuit **yes**
- _ PVC-cable **3 x 0,5 mm²**
- _ Cable diameter **5–6 mm**
- _ Protection class **IP67**
- _ Housingmaterial **PUR**
- _ Screw **M2,5 (DIN/EN), M3 (Industrial)**
- _ Temperature range **–25 °C to +80 °C**

ORDER CODE

CONNECTOR A+B+C

CONNECTOR A, MOLDED

Type		3 m	5 m	10 m
Contact spacing	Contacts	Part No.	Part No.	Part No.
18 mm	2+PE	CDA30US6013	CDA30US6015	CDA30US6010
18 mm	3+PE	CDA40US6013	CDA40US6015	CDA40US6010

CONNECTOR A, WITH LED

Type		3 m	5 m	10 m	
Contact spacing	Contacts	Part No.	Part No.	Part No.	Circuit
18 mm	2+PE	CDA3YDUT2013	CDA3YDUT2015	CDA3YDUT2010	LED+Diode
18 mm	2+PE	CDA3YTUT2013	CDA3YTUT2015	CDA3YTUT2010	LED+Z-Diode
18 mm	2+PE	CDA3YVUT2013	CDA3YVUT2015	CDA3YVUT2010	LED+Varistor

CONNECTOR B, MOLDED

Type		3 m	5 m	10 m
Contact spacing	Contacts	Part No.	Part No.	Part No.
10 mm (DIN/EN)	2+PE	CDB300S6013	CDB300S6015	CDB300S6010
11 mm (Industrial)	2+PE	CIB300S6013	CIB300S6015	CIB300S6010

CONNECTOR B, WITH LED

Type		3 m	5 m	10 m	
Contact spacing	Contacts	Part No.	Part No.	Part No.	Circuit
10 mm (DIN/EN)	2+PE	CDB3YD0T2013	CDB3YD0T2015	CDB3YD0T2010	LED+Diode
10 mm (DIN/EN)	2+PE	CDB3YT0T2013	CDB3YT0T2015	CDB3YT0T2010	LED+Z-Diode
10 mm (DIN/EN)	2+PE	CDB3YV0T2013	CDB3YV0T2015	CDB3YV0T2010	LED+Varistor
11 mm (Industrial)	2+PE	CIB3YD0T2013	CIB3YD0T2015	CIB3YD0T2010	LED+Diode
11 mm (Industrial)	2+PE	CIB3YT0T2013	CIB3YT0T2015	CIB3YT0T2010	LED+Z-Diode
11 mm (Industrial)	2+PE	CIB3YV0T2013	CIB3YV0T2015	CIB3YV0T2010	LED+Varistor

CONNECTOR C, MOLDED

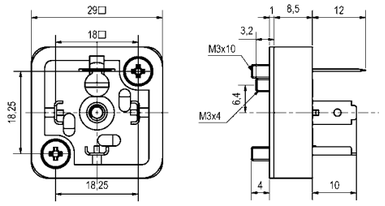
Type		3 m	5 m	10 m
Contact spacing	Contacts	Part No.	Part No.	Part No.
8 mm (DIN/EN)	2+PE	CDC30US6013	CDC30US6015	CDC30US6010
9,4 mm (Industrial)	2+PE	CIC30US6013	CIC30US6015	CIC30US6010

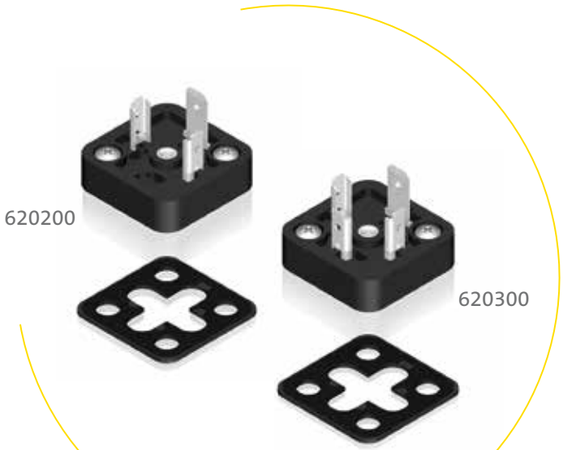
CONNECTOR C, WITH LED

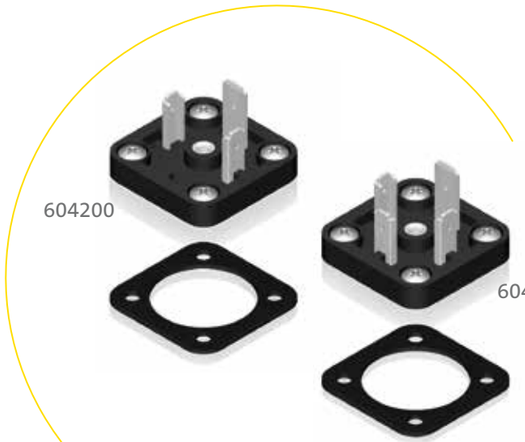
Type		3 m	5 m	10 m	
Contact spacing	Contacts	Part No.	Part No.	Part No.	Circuit
8 mm (DIN/EN)	2+PE	CDC3YDUT2013	CDC3YDUT2013	CDC3YDUT2010	LED+Diode
8 mm (DIN/EN)	2+PE	CDC3YTUT2013	CDC3YTUT2013	CDC3YTUT2010	LED+Z-Diode
8 mm (DIN/EN)	9,42+PE	CDC3YVUT2013	CDC3YVUT2013	CDC3YVUT2010	LED+Varistor
mm (Industrial)	9,4 2+PE	CIC3YDUT2013	CIC3YDUT2013	CIC3YDUT2010	LED+Diode
mm (Industrial)	9,4 2+PE	CIC3YTUT2013	CIC3YTUT2013	CIC3YTUT2010	LED+Z-Diode
mm (Industrial)	2+PE	CIC3YVUT2013	CIC3YVUT2013	CIC3YVUT2010	LED+Varistor

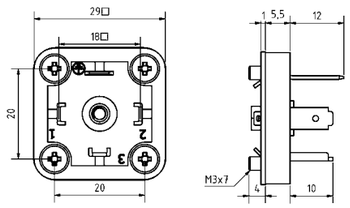
BASE CONNECTOR A

3- OR 4-POLE, SQUARE







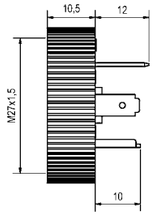


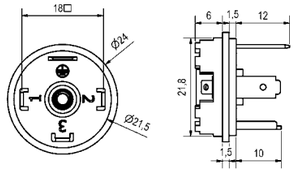
DETAILS

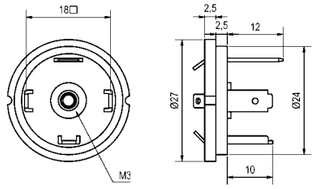
- _ **DIN 43650/EN 175301-803**
- _ Contact spacing **18 mm**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **10 A**
- _ Max. current **16 A**
- _ Max. wire gauge **1,0 mm²**
- _ Termination **solder**
- _ Housingmaterial **PA+30%GF**
- _ Contact material **CuZn (Ag)**
- _ Temperature range **–40 °C to +125 °C**
- _ **22 mm round collar** available
- _ **Different screw lengths** available

BASE CONNECTOR A

3- OR 4-POLE, ROUND





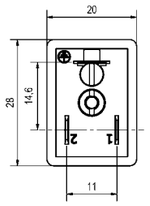


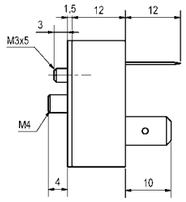
DETAILS

- _ **DIN 43650/EN 175301-803**
- _ Contact spacing **18 mm**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **10 A**
- _ Max. current **16 A**
- _ Max. wire gauge **1,0 mm²**
- _ Termination **solder**
- _ Housingmaterial **PA+30%GF**
- _ Contact material **CuZn (Ag)**
- _ Temperature range **–40 °C to +125 °C**
- _ **With/without lockring** available

BASE CONNECTOR B

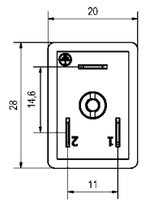
2-POLE + GROUND

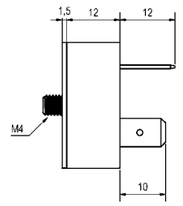




622200

622201



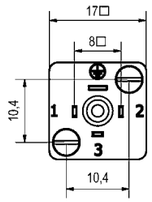


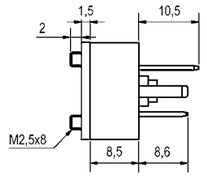
DETAILS

- _ **Industrial**
- _ Contact spacing **11 mm**
- _ Rated voltage **250 VAC/300 VDC**
- _ Operating current **10 A**
- _ Max. current **16 A**
- _ Max. wire gauge **1,0 mm²**
- _ Termination **solder**
- _ Housingmaterial **PA+30%GF**
- _ Contact material **CuZn (Ag)**
- _ Temperature range **–40 °C to +125 °C**
- _ **With/without PE-screw** available

BASE CONNECTOR C

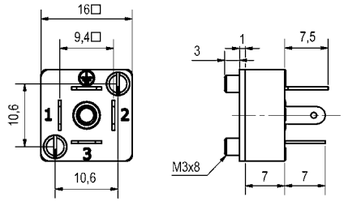
2- OR 3-POLE





615200

629200



DETAILS

- _ **Industrial/DIN 43650/EN 175301-803**
- _ Contact spacing **8 mm (DIN/EN), 9,4 mm (Industrial)**
- _ Rated voltage **250VAC/300VDC**
- _ Operating current **6A**
- _ Max. current **10A**
- _ Max. wire gauge **0,75 mm²**
- _ Termination **solder**
- _ Housingmaterial **PA + 30% GF**
- _ Contact material **CuZn (Ag)**
- _ Temperature range **-40° C to +125° C**
- _ **4-pole** available

ORDER CODE

BASE CONNECTOR A+B+C

BASE CONNECTOR A, 3- OR 4-POLE, SQUARE

Contacts	2 + PE	3 + PE	
Mounting	Part No.	Part No.	Special Feature
M3 x 10 mm (2x)	620200	620300	M3 x 4 mm PE-screw
M3 x 10 mm (2x)	628200	628300	M3 x 4 mm PE-screw
M3 x 10 mm (4x)	626200	626300	M3 x 4 mm PE-screw
M3 x 7 mm (4x)	604200	604300	
M3 x 7 mm (4x)	614200	614300	22 mm round collar

BASE CONNECTOR A, 3- OR 4-POLE, ROUND

Contacts	2 + PE	3 + PE	
Mounting	Part No.	Part No.	Special Feature
Ø 24,5/22 mm	631200	631300	M 27 x 1,5 lockring
Ø 24,5/22 mm	631201	631301	without lockring
Ø 27/24 mm	630200	630300	

BASE CONNECTOR B, 2-POLE + GROUND

Contacts	2 + PE	
Mounting	Part No.	Special Feature
M4 x 15,5 mm	622200	M3 x 5 mm PE-screw
M4 x 15,5 mm	622201	without PE-screw

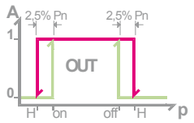
BASE CONNECTOR C, 2- OR 3-POLE

Contacts	2 + PE	3 + PE	
Mounting	Part No.	Part No.	Contact spacing
M2,5 x 8,5 mm	615200	615300	8 mm (DIN/EN)
M3 x 8,5 mm	629200	629300	9,4 mm (Industrial)

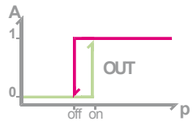
NOTES

PRESSURE SWITCH/ALLFLUID 0 TO 5800 PSI

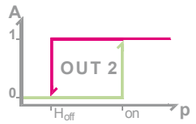
Pressure switch
0 to 5800 psi



Window-comparator with 2x hysteresis



Threshold value comparator with hysterese



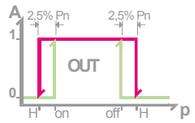
The outputs 1 and 2 are separetly programmable

DETAILS

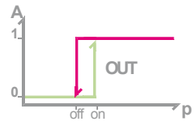
- _ Operating voltage **18 to 32 VDC**
- _ Current consumption w/o switch. output **< 80 mA**
- _ Switching current SP 1 (contact 4) **1,3 A**
- _ Switching current ERROR / SP 2 (cont. 2) **0,4 A**
- _ Switchlogic programmable **NO/NC**
- _ Switch output **short circuit protection**
- _ Electrical connection **M12**
- _ Fluid connection **G1/4i**
- _ 3-digit LED-display 7-segment **red/0,4 inch**
- _ Display programmable **0°/180°**
- _ Light for switch status all-round **LED red/green**
- _ Protection class **IP67**
- _ Temperature range **–20 °C to +70 °C**
- _ Temperature range medium **–20 °C to +70 °C**
- _ Wetted material **AL/viton/ceramic**
- _ Overload pressure **2 x P_N (400 bar: 1,5 x P_N)**
- _ Linearity **≤ +0,2 to 1,5% P_N**
- _ Temperature sensitivity (zero point) **±0,2% P_N**

PRESSURE SWITCH-TRANSMITTER/ALLFLUID 0 TO 5800 PSI

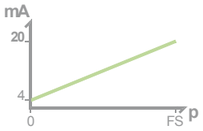
Pressure switch-Transmitter
0 to 5800 psi



Window-comparator with 2x hysteresis



Threshold value comparator with hysterese

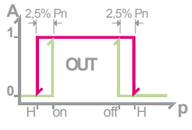


DETAILS

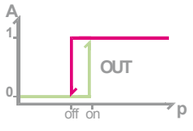
- _ Operating voltage **18 to 32 VDC**
- _ Current consumption w/o switch. output **< 80 mA**
- _ Switching current SP 1 (contact 4) **1,3 A**
- _ Output 2 (cont. 2) **4–20 mA**
- _ Switchlogic programmable **NO/NC**
- _ Switch output **short circuit protection**
- _ Electrical connection **M12**
- _ Fluid connection **G1/4i**
- _ 3-digit LED-display 7-segment **red/0,4 inch**
- _ Display programmable **0°/180°**
- _ Light for switch status all-round **LED red/green**
- _ Protection class **IP67**
- _ Temperature range **–20 °C to +70 °C**
- _ Temperature range medium **–20 °C to +70 °C**
- _ Wetted material **AL/viton/ceramic**
- _ Overload pressure **2 x P_N (400 bar: 1,5 x P_N)**
- _ Linearity **≤ +0,2 to 1,5% P_N**
- _ Temperature sensitivity (zero point) **±0,2% P_N**
- _ Minimum load for analog output **< 400 Ohm**

PRESSURE SWITCH-EASY/ALLFLUID 0 TO 5800 PSI

Pressure switch-Easy
0 to 5800 psi



Window-comparator with 2x hysteresis



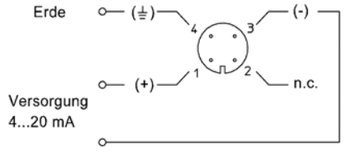
Threshold value comparator with hysterese

DETAILS

_ Operating voltage **18 to 32 VDC**
_ Current consumption w/o switch. output **< 80 mA**
_ Switching current SP 1 (contact 4) **1,3 A**
_ Switchlogic programmable **NO/NC**
_ Switch output **short circuit protection**
_ Electrical connection **M12**
_ Fluid connection **G1/4i**
_ LED for switch status **On: green/Off: red**
_ Protection class **IP67**
_ Temperature range **–20 °C to +70 °C**
_ Temperature range medium **–20 °C to +70 °C**
_ Wetted material **AL/viton/ceramic**
_ Overload pressure **2 x P_N (400 bar: 1,5 x P_N)**
_ Linearity **≤ +0,2 to 1,5% P_N**
_ Temperature sensitivity (zero point) **±0,2% P_N**

PRESSURE TRANSMITTER/–14,5 TO 5800 PSI

Pressure Transmitter
-14,5 to 5800 psi

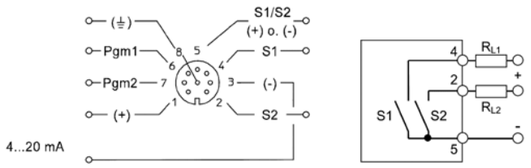


DETAILS

_ Operating voltage **14 to 30 VDC**
_ Current consumption w/o switch. output **< 30 mA**
_ Output (cont. 3) **4 to 20 mA**
_ Electrical connection **M12 (4-pol.)**
_ Fluid connection **G1/2 flush mounted**
_ Wrench **27 mm**
_ 4-digit LED-display 7-segment **red/0,3 inch**
_ Display programmable **0°/180°**
_ Light for switch status **LED red**
_ Protection class **IP65**
_ Temperature range **–20 °C to +85 °C**
_ Temperature range medium **–20 °C to +100 °C**
_ Wetted material **stainless steel**
_ Overload pressure **2,5 x P_N**
_ Linearity **±0,2% P_N**
_ Temperature sensitivity (zero point) **±0,2%/10K**
_ Minimum load for analog output
< 730 Ohm (24 V = 455 Ohm)

PRESSURE SWITCH-TRANSMITTER/0 TO 580 PSI

Pressure Switch-Transmitter
0 to 580 psi

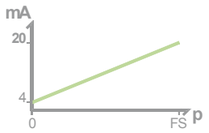


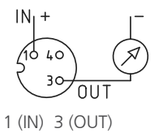
DETAILS

- _ Operating voltage **14 to 30 VDC**
- _ Current consumption w/o switch. output **< 30 mA**
- _ Switching current SP 1/2 (contact 4/2) **short circuit protection**
- _ Output (cont. 3) **4 to 20 mA**
- _ Switchlogic programmable **NO/NC**
- _ Electrical connection **M12 (8-pol.)**
- _ Fluid connection **G1/2 flush mounted**
- _ Wrench **27 mm**
- _ 4-digit LED-display 7-segment **red/0,3 inch**
- _ Display programmable **0°/180°**
- _ Light for switch status **LED red**
- _ Protection class **IP65**
- _ Temperature range **–20 °C to +85 °C**
- _ Temperature range medium **–20 °C to +100 °C**
- _ Wetted material **stainless steel**
- _ Overload pressure **2,5 x P_N**
- _ Linearity **±0,2% P_N**
- _ Temperature sensitivity (zero point) **±0,2%/10K**
- _ Minimum load for analog output **< 730 Ohm (24 V = 455 Ohm)**

PRESSURE TRANSMITTER-EPT/0 TO 5800 PSI

Pressure Transmitter-EPT
0 to 5800 psi





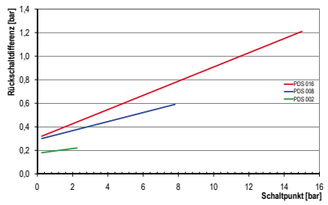
1 (IN) 3 (OUT)

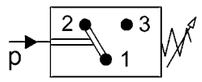
DETAILS

- _ Operating voltage **7 to 33 VDC**
- _ Current consumption **< 30 mA**
- _ Output (short-circuit-proof) **4 to 20 mA**
- _ Electrical connection **reverse polarity protection**
- _ Electrical connection **M12**
- _ Fluid connection **G1/4**
- _ Wrench **24 mm**
- _ Protection class **IP67**
- _ Temperature range **–30 °C to +85 °C**
- _ Temperature range medium **–40 °C to +135 °C**
- _ Housing **stainless steel/PARA +50% GF**
- _ Wetted material **stainless steel**
- _ Overload pressure **6 x P_N**
- _ Resolution **±0,1% P_N**
- _ Linearity **±0,8% P_N**
- _ Temperature sensitivity (zero point) **±0,2% P**
- _ Minimum load for analog output **< 1300 Ohm (24 V = 850 Ohm)**

PRESSURE SWITCH-MECHANICAL/PNEUMATIC TO 232 PSI

Pressure Switch-mechanical
Pneumatic to 232 PSI



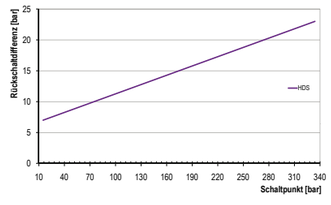


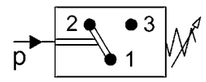
DETAILS

_ Operating fluid **Neutral gaseous and liquid fluids**
_ Mounting method **2 x drill-hole Ø 5,2 mm**
_ Fluid connection
G1/4“ female thread , NPT 1/4“ or flange
_ Environmental temperature **–10 °C to +80 °C**
_ Maximum pressure **290 psi**
_ Operating pressure range **0,2 to 2/0,5 to 8/1 to 16 bar**
_ Repeatability **< 2% of max. pressure range FS**
_ Differential reset **see diagram**
_ Max. switching frequency **200/min**
_ Vibration resistance **10 g (10 to 2000 Hz)**
_ Shock resistance **30 g**
_ Electrical connection **DIN 43650-A (EN 175301-803)**
_ Switching element **toggle switch with control unit**
_ Operating cycles **> 2 x 10^6**
_ Operating voltage/current
AC 12: 4 A/250 VAC ; AC14: 1 A/250 VAC
DC 12: 3 A/28 VDC ; DC14: 4 A/28 VDC
_ Degree of protection **IP65**
_ Material **Housing: Pressure die-cast, knob: Alu**
_ Seals **Perbunan**
_ Weight **~ 0,295 kg**

PRESSURE SWITCH-MECHANICAL/HYDRAULIC TO 5800 PSI

Pressure Switch-mechanical
Hydraulic to 5800 psi



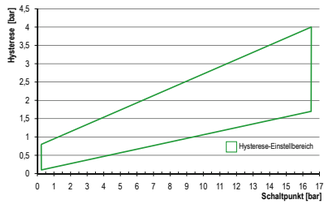


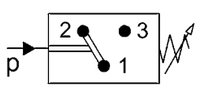
DETAILS

_ Operating fluid **self-lubricating fluid**
_ Fluid connection
G1/4“ optional flange DIN ISO 16873
_ Environmental temperature **–30 °C to +80 °C**
_ Fluid temperature **max. +80 °C**
_ Maximum pressure
5075 psi (flange horizontal 3625 bar)
_ Cracking pressure **> 8700 psi**
_ Operating pressure range
10-30; 10-80; 10-120; 20-200; 20-320 bar
_ Repeatability **< 2% of max. pressure range FS**
_ Differential reset **see diagram**
_ Vibration resistance **10 g (10 to 2000 Hz)**
_ Shock resistance **30 g**
_ Electrical connection **DIN 43650-A (EN 175301-803)**
_ Switching element **toggle switch with control unit**
_ Operating cycles **> 2 x 10^6**
_ Operating voltage/current
AC 12: 4 A/250 VAC ; AC14: 1 A/250 VAC
DC 12: 3 A/28 VDC ; DC14: 4 A/28 VDC
_ Degree of protection **IP65**
_ Material **Housing: Pressure die-cast, knob: Alu**
_ Seals **dynamic: PTFE; static: NBR**
_ Weight **~ 0,325 kg**

PRESSURE SWITCH PDC – ADJUSTABLE HYSTERISIS

PNEUMATIC TO 232 PSI





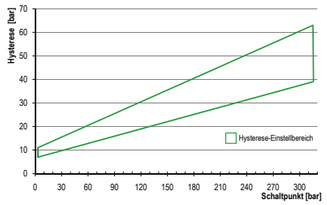
Pressure Switch PDC
Pneumatic to 232 PSI

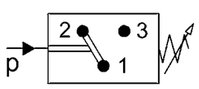
DETAILS

_ Operating fluid **Neutral gaseous and liquid fluids**
_ Fluid connection **G1/4“**
_ Environmental temperature **–20 °C to +80 °C**
_ Fluid temperature **max. +80 °C**
_ Maximum pressure **870 psi**
_ Operating pressure range **0,2 to 2/0,5 to 8/1 to 16 bar**
_ Repeatability **< 2% of max. pressure range FS**
_ Differential reset **see diagram**
_ Vibration resistance **10 g (10 to 2000 Hz)**
_ Shock resistance **30 g**
_ Electrical connection **DIN 43650-A (EN 175301-803)**
_ Switching element **toggle switch**
_ Operating voltage/current
AC 12: 4 A/250 VAC; AC14: 1 A/250 VAC
DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC
_ Degree of protection **IP65**
_ Material **Housing: galvanized steel**
_ Seals **dynamic: PTFE; static: NBR**
_ Weight **~ 0,1 kg**

PRESSURE SWITCH HDC – ADJUSTABLE HYSTERISIS

HYDRAULIC TO 4640 PSI





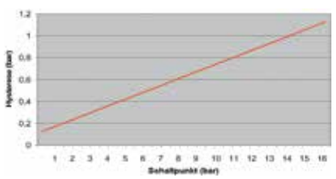
Pressure Switch HDC
Hydraulic to 4640 psi

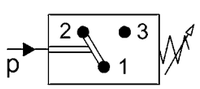
DETAILS

_ Operating fluid **self-lubricating fluid**
_ Fluid connection **G1/4“**
_ Environmental temperature **–20 °C to +80 °C**
_ Fluid temperature **max. +80 °C**
_ Maximum pressure **5075 psi**
_ Operating pressure range
10 to 80; 10 to 120; 20 to 250; 20 to 320 bar
_ Repeatability **< 2% of max. pressure range FS**
_ Differential reset **see diagram**
_ Vibration resistance **10 g (10 to 2000 Hz)**
_ Shock resistance **30 g**
_ Electrical connection **DIN 43650-A (EN 175301-803)**
_ Switching element **toggle switch**
_ Operating voltage/current
AC 12: 4 A/250 VAC; AC14: 1 A/250 VAC
DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC
_ Degree of protection **IP65**
_ Material **Housing: galvanized steel**
_ Seals **dynamic: PTFE; static: NBR**
_ Weight **~ 0,1 kg**

PRESSURE SWITCH DL/PNEUMATIC TO 232 PSI

Pressure Switch DL
Pneumatic to 232 PSI



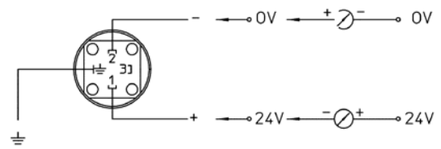


DETAILS

- _ Operating fluid **Neutral gaseous and liquid fluids**
- _ Fluid connection **G1/4“**
- _ Environmental temperature **–20 °C to +80 °C**
- _ Fluid temperature **max. +80 °C**
- _ Maximum pressure **870 psi**
- _ Operating pressure range
  -0,85 to 1/0,2 to 2/0,5 to 8/1 to 16 bar
- _ Repeatability **< 2% of max. pressure range FS**
- _ Differential reset **see diagram**
- _ Vibration resistance **10 g (10 to 2000 Hz)**
- _ Shock resistance **30 g**
- _ Electrical connection **M12 (DIN IEC 61076-2-101)**
- _ Switching element **toggle switch**
- _ Operating voltage/current
  AC 12: 4 A/50 VAC; AC14: 1 A/50 VAC
  DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC
- _ Degree of protection **IP68**
- _ Material **Housing: galvanized steel**
- _ Seals **Perbunan**
- _ Weight **~ 0,1 kg**

PRESSURE TRANSMITTER ATEX/–14,5 TO 232 PSI

Pressure Transmitter ATEX
- 14,5 – 232 psi



DETAILS

- _ Operating voltage **15 to 30 VDC**
- _ Current consumption **< 30 mA**
- _ Output (short-circuit-proof) **4 to 20 mA**
- _ Electrical connections **reverse polarity protection**
- _ Electrical connection **EN 175301 - 803**
- _ Fluid connection **G1/2 flush mounted**
- _ Wrench **27 mm**
- _ Protection class **IP65**
- _ Temperature range **–25 °C to +70 °C**
- _ Temperature range medium **–25 °C to +70 °C**
- _ Housing **stainless steel**
- _ Wetted material **stainless steel**
- _ Overload pressure **6 x P_N**
- _ Linearity **±0,3% P_N**
- _ Temperature sensitivity (zero point) **±0,2%/10K**
- _ Minimum load for analog output
  < 750 Ohm (24 V = 450 Ohm)
- _ ATEX **II 2G Ex ia IIC T4 Gb**

ORDER CODE

PRESSURE SWITCH (S. 30 – 35)

PRESSURE SWITCH/ALLFLUID 0 – 5800 PSI

Measuring range	Part No.
- 14,5 to 130 psi	412009
0 to 232 psi	412016
0 to 1450 psi	412100
0 to 3625 psi	412250
0 to 5800 psi	412400
Other pressure ranges on request	

PRESSURE SWITCH-TRANSMITTER/ALLFLUID 0 – 5800 PSI

Measuring range	Part No.
- 14,5 to 130 psi	422009
0 to 232 psi	422016
0 to 1450 psi	422100
0 to 3625 psi	422250
0 to 5800 psi	422400
Other pressure ranges on request	

PRESSURE SWITCH-EASY/ALLFLUID 0 – 5800 PSI

Measuring range	Part No.
- 14,5 to 130 psi	414009
0 to 232 psi	414016
0 to 1450 psi	414100
0 to 3625 psi	414250
0 to 5800 psi	414400
Other pressure ranges on request	

PRESSURE TRANSMITTER/-14,5 – 5800 PSI

Measuring range	Part No.
- 14,5 to 0 psi	424000
0 to 14,5 psi	424001
0 to 232 psi	424016
0 to 1450 psi	424100
0 to 5800 psi	424400
Other pressure ranges on request	

PRESSURE SWITCH-TRANSMITTER/0 – 580 PSI

Measuring range	Part No.
0 to 232 psi	423016
0 to 580 psi	423040
Other pressure ranges on request	

PRESSURE TRANSMITTER-EPT/0 – 5800 PSI

Measuring range	Part No.
- 14,5 to 130 psi	432009
0 to 232 psi	432016
0 to 1450 psi	432100
0 to 3625 psi	432250
0 to 5800 psi	432400
Other pressure ranges on request	

ORDER CODE

PRESSURE SWITCH (S. 36 – 41)

PRESSURE SWITCH-MECHANICAL/PNEUMATIC TO 232 PSI

Pressure adjustment range	Part No.
7 to 116 psi	451208
14,5 to 232 psi	451216
Other pressure ranges on request	

PRESSURE SWITCH-MECHANICAL/HYDRAULIC TO 5800 PSI

Pressure adjustment range	Part No.
145 to 1160 psi	452708
145 to 1740 psi	452712
290 to 2900 psi	452720
290 to 4640 psi	452732
Other pressure ranges on request	

PRESSURE SWITCH PDC – ADJUSTABLE HYSTERISIS/PNEUMATIC TO 232 PSI

Measuring range	Part No.
3 to 29 psi	453302
7 to 116 psi	453308
14,5 to 232 psi	453316
Other pressure ranges on request	

PRESSURE SWITCH HDC – ADJUSTABLE HYSTERISIS/HYDRAULIC TO 4640 PSI

Pressure adjustment range	Part No.
145 to 1160 psi	454308
145 to 1740 psi	454312
290 to 2900 psi	454320
290 to 4640 psi	454332
Other pressure ranges on request	

PRESSURE SWITCH DL/PNEUMATIC TO 232 PSI

Measuring range	Part No.
- 12 to 14,5 psi	455301
3 to 29 psi	455302
7 to 116 psi	455308
14,5 to 232 psi	455316
Other pressure ranges on request	

PRESSURE TRANSMITTER ATEX/- 14,5 – 232 PSI

Measuring range	Part No.
- 14,5 to 130 psi	433009
0 to 232 psi	433016
Other pressure ranges on request	

VALVE TIMER

FORM A · B-IND.

990720

991260

DETAILS

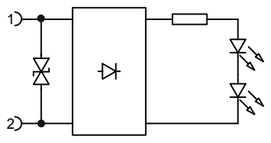
- _ Contact spacing **991260: 11 mm, 990720: 18 mm**
- _ Rated voltage **24–240 VAC/DC**
- _ Operating current **1 A**
- _ On time **990720: 0,5-10s, 991260: 2s**
- _ Off time
  990720: 0,5-45 min, 991260: 0,5-120 min
- _ Operating indicator **LED yellow**
- _ Protection class **IP65**
- _ Temperature range **–30 °C to +60 °C**

LIGHT GASKET

FORM A · B

018027

018017



018037

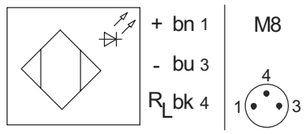
DETAILS

- _ Contact spacing form A **18 mm**
- _ Contact spacing form B/Ind. **11 mm**
- _ Contact spacing form B/DIN **10 mm**
- _ Rated voltage **24 VAC/DC**
- _ Max. load
  018017: 60 VA, 018027/018037: 20 VA
- _ Protection circuit **Z-Diode**
- _ Operating indicator (2pcs.) **LED green**
- _ Protection class **IP65**
- _ Sealing material **Desmopan**
- _ Temperature range **–30 °C to +90 °C**

SENSOR-TOUCHLESS

CAPACITIVE

Sensor-touchless
Capacitive



DETAILS

_ Rated voltage **18 to 32 V**
_ Switching current **0,4 A**
_ Operating indicator **LED yellow/red**
_ Housing material **PP**
_ Protection class **IP67**
_ Electrical Connection **M8/3-poles/male**
_ Measurements **50 x 27 x 6,5 mm**
_ Temperature range **–20 °C to +80 °C**
_ **Protected against polarity reversal**
_ **Short circuit proof**
_ **Direktive 2002/99/EC (RoHS)**

ORDER CODE

VALVE TIMER, LIGHT GASKET, SENSOR-TOUCHLESS

VALVE TIMER/ FORM A · B-IND.

Form	Part No.
A · 18 mm	990720
B · 11 mm	991260

LIGHT GASKET/ FORM A · B/LEUCHTDICHTUNG/BAUFORM A · B

Form	Part No.	Special Feature
A · 18 mm	018017	VW-Mat. 123/3384
B · 11 mm	018027	
B · 10 mm	018037	VW-Mat. 123/3387

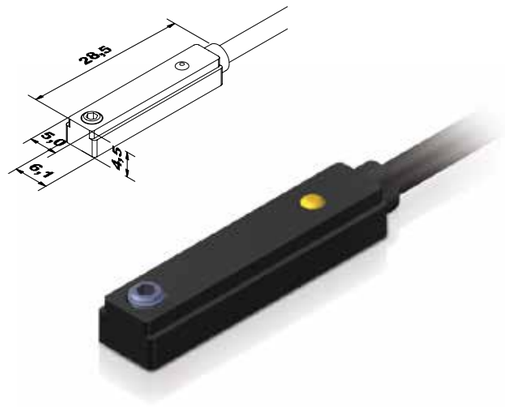
SENSOR-TOUCHLESS/CAPACITIVE

Part No.
990949

PROXIMITY SENSORS

REED

Proximity sensors
Reed



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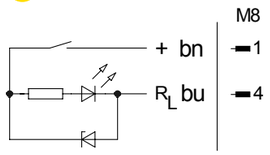

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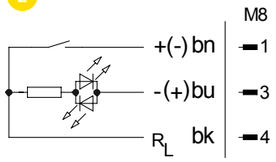


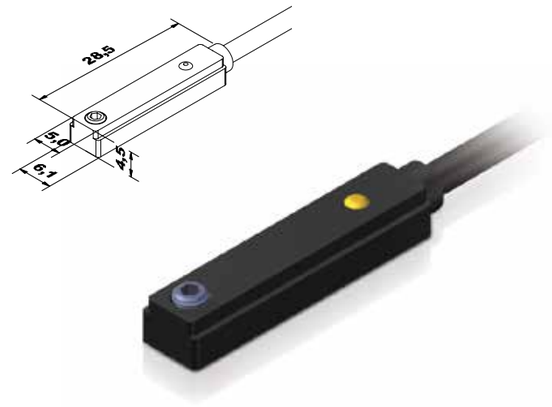
DETAILS

- Operating voltage (2-wire) **10 to 240 VAC (M8: 60 V), 10 to 170 VDC (M8: 75 V)**
- Operating voltage (3-wire) **10 to 30 VAC/DC**
- Switching current **300 mA**
- Load **max. 8 W**
- Operating indicator **LED yellow**
- Cable **PUR 2 (3) x 0,14 mm²**
- Protection class **IP67**
- Housing material **PA**
- Measurements **5,0/6,1 x 4,5 x 28,5 mm**
- Locking system **screw**
- Temperature range **–20 °C to +80 °C**

PROXIMITY SENSORS

GMR

Proximity sensors
GMR



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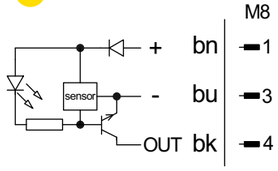

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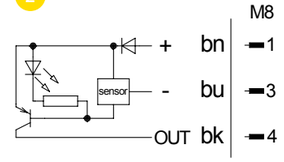


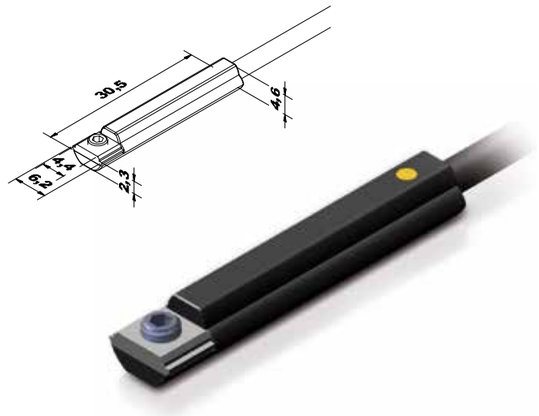
DETAILS

- Operating voltage **5 to 30 VDC**
- Switching current **max. 200 mA**
- Load **max. 5 W**
- Operating indicator **LED yellow**
- Cable **PUR 3 x 0,14 mm²**
- Protection class **IP67**
- Housing material **PA**
- Measurements **5,0/6,1 x 4,5 x 28,5 mm**
- Locking system **screw**
- Temperature range **–20 °C to +70 °C**

PROXIMITY SENSORS TOP MOUNT

REED

Proximity sensors Top Mount
Reed



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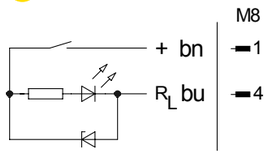

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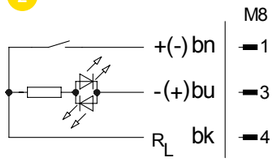


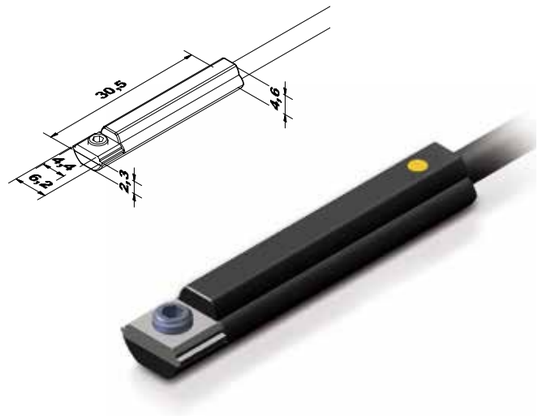
DETAILS

- _ Operating voltage (2-wire) **10 to 240 VAC (M8: 60 V), 10 to 170 VDC (M8: 75 V)**
- _ Operating voltage (3-wire) **10 to 30 VAC/DC**
- _ Switching current **300 mA**
- _ Load **max. 8 W**
- _ Operating indicator **LED yellow**
- _ Cable **PUR 2 (3) x 0,14 mm²**
- _ Protection class **IP67**
- _ Housing material **PA**
- _ Measurements **4,4/6,2 x 4,6 x 30,5 mm**
- _ Locking system **screw**
- _ Temperature range **–20 °C to +80 °C**

PROXIMITY SENSORS TOP MOUNT

GMR

Proximity sensors Top Mount
GMR



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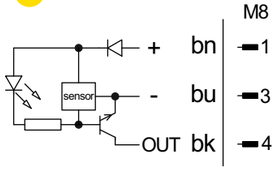

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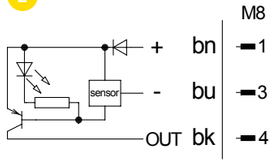


DETAILS

- _ Operating voltage **5 to 30 VDC**
- _ Switching current **max. 200 mA**
- _ Load **max. 5 W**
- _ Operating indicator **LED yellow**
- _ Cable **PUR 3 x 0,14 mm²**
- _ Protection class **IP67**
- _ Housing material **PA**
- _ Measurements **4,4/6,2 x 4,6 x 30,5 mm**
- _ Locking system **screw**
- _ Temperature range **–20 °C to +70 °C**

ORDER CODE

PROXIMITY SENSORS

REED/GMR

PROXIMITY SENSORS/REED

Type · circuit	1 m	3 m	5m	M 8 x 1
	Part No.	Part No.	Part No.	Part No.
2-wire· 1	262641	262643	262645	262680
3-wire · 2	263241	263243	263245	263280

PROXIMITY SENSORS/TOP MOUNT/REED

Type · circuit	1 m	3 m	5m	M 8 x 1
	Part No.	Part No.	Part No.	Part No.
2-wire · 1	272641	272643	272645	272680
3-wire · 2	273241	273243	273245	273280

PROXIMITY SENSORS/GMR

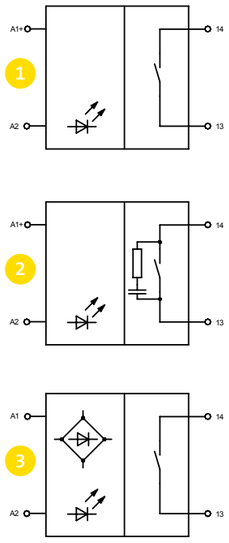
Type · circuit/	1 m	3 m	5m	M 8 x 1
	Part No.	Part No.	Part No.	Part No.
GMR-pnp · 1	264241	264243	264245	264280
GMR-npn · 2	265241	265243	265245	265280

PROXIMITY SENSORS/TOP MOUNT/GMR

Type · circuit	1 m	3 m	5m	M 8 x 1
	Part No.	Part No.	Part No.	Part No.
GMR-pnp · 1	274241	274243	274245	274280
GMR-npn · 2	275241	275243	275245	275280

RELAY MODULE · 1 NO CONTACT/COIL 24 V TO 230 V

Relay module · 1 NO contact
Coil 24 V to 230 V

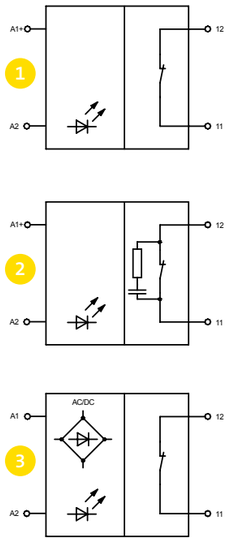


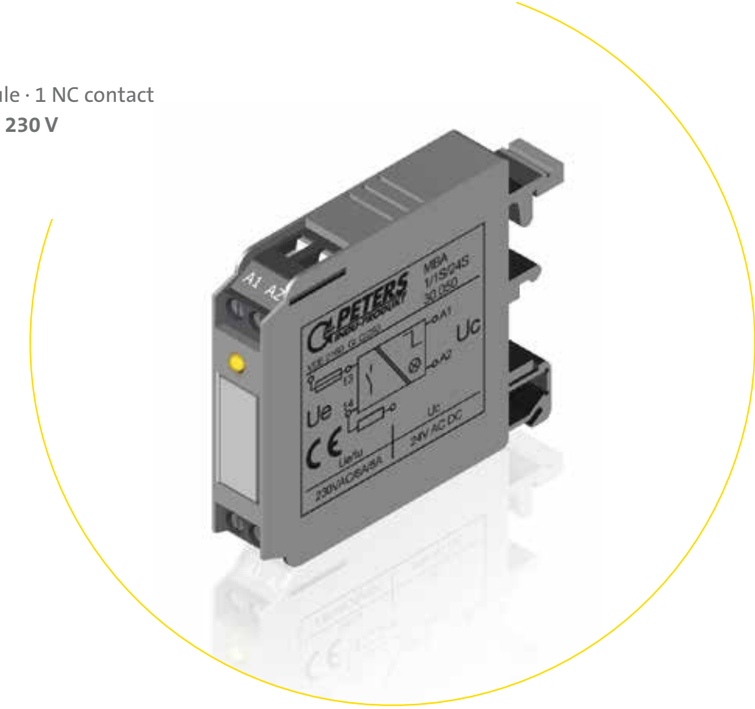
DETAILS

- _ Switching voltage **400 VAC/150 VDC**
- _ Starting/permanent current **10 A/8 A**
- _ Max. power rating **2000 VA/192 W**
- _ Contact resistance **< 30 mOhm**
- _ Contact material **AgCdO**
- _ Energize/release time **10/15 ms**
- _ Switching frequency **10 Hz**
- _ Protection circuit **Diode**
- _ Test insulation voltage **4 kV**
- _ Insulation group **VDE 0110 Gr. C**
- _ Operation indicator **LED yellow**
- _ Measurements **11,5 x 54 x 60 mm**
- _ Fastening **DIN-rail**
- _ Temperature range **–20 °C to +50 °C**

RELAY MODULE · 1 NC CONTACT/COIL 24 V TO 230 V

Relay module · 1 NC contact
Coil 24 V to 230 V





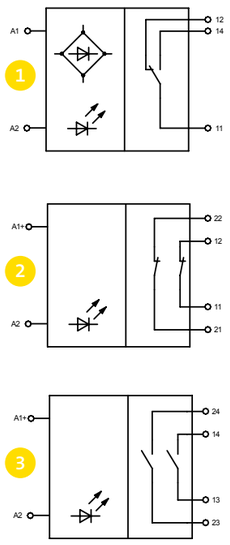
DETAILS

- _ Switching voltage **400 VAC/150 VDC**
- _ Starting/permanent current **10 A/8 A**
- _ Max. power rating **2000 VA/192 W**
- _ Contact resistance **< 30 mOhm**
- _ Contact material **AgCdO**
- _ Energize/release time **10/15 ms**
- _ Switching frequency **10 Hz**
- _ Protection circuit **Diode**
- _ Test insulation voltage **4 kV**
- _ Insulation group **VDE 0110 Gr. C**
- _ Operation indicator **LED yellow**
- _ Measurements **11,5 x 54 x 60 mm**
- _ Fastening **DIN-rail**
- _ Temperature range **–20 °C to +50 °C**

RELAY MODULE · 2 NO · 2 NC · 1 CO CONTACT

COIL 24 V TO 230 V

Relay module · 2 NO · 2 NC · 1 CO contact
Coil 24 V to 230 V

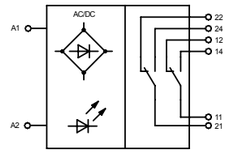


DETAILS

- Switching voltage **400 VAC/150 VDC**
- Starting/permanent current **10 A/8 A**
- Max. power rating **2000 VA/192 W**
- Contact resistance **< 30 mOhm**
- Contact material **AgCdO**
- Energize/release time **10/15 ms**
- Switching frequency **10 Hz**
- Protection circuit **Diode**
- Test insulation voltage **4 kV**
- Insulation group **VDE 0110 Gr. C**
- Operation indicator **LED yellow**
- Measurements **11,5 x 72 x 60 mm**
- Fastening **DIN-rail**
- Temperature range **–20 °C to +50 °C**

RELAY MODULE · 2 CO CONTACT/COIL 24 V TO 230 V

Relay module · 2 CO contact
Coil 24 V to 230 V

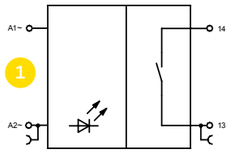


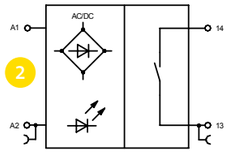
DETAILS

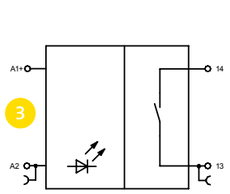
- Switching voltage **230 VAC/250 VDC**
- Starting/permanent current **5 A/2 A**
- Max. power rating **250 VA/150 W**
- Contact resistance **< 30 mOhm**
- Contact material **Ag/Au**
- Energize/release time **3/4 ms**
- Switching frequency **10 Hz**
- Protection circuit **Diode**
- Test insulation voltage **1,5 kV**
- Insulation group **VDE 0110 Gr. B**
- Operation indicator **LED yellow**
- Measurements **11,5 x 72 x 60 mm**
- Fastening **DIN-rail**
- Temperature range **–20 °C to +50 °C**

RELAY MODULE · 1 NO CONTACT/COIL 24 V TO 230 V

Relay module · 1 NO contact
Coil 24 V to 230 V
Slim design





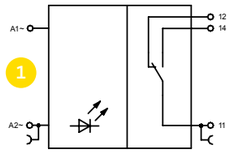


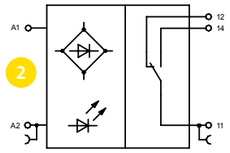
DETAILS

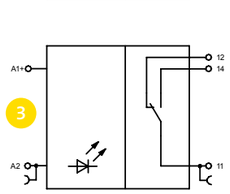
_ Switching voltage **250 VAC/300 VDC**
_ Starting/permanent current **6 A**
_ Max. power rating **1500 VA/240 W**
_ Contact resistance **< 30 mOhm**
_ Contact material **AgSnO2**
_ Energize/release time **10/15 ms**
_ Switching frequency **10 Hz**
_ Protection circuit **Diode**
_ Test insulation voltage **4 kV**
_ Insulation group **VDE 0110 Gr. C**
_ Operation indicator **LED yellow**
_ Measurements **6,2 x 85 x 81 mm**
_ Fastening **DIN-rail**
_ Temperature range **–20 °C to +50 °C**
_ Accessories part no. 099063 **Bridging connector 24-pins**

RELAY MODULE · 1 CO CONTACT/COIL 24 V TO 230 V

Relay module · 1 CO contact
Coil 24 V to 230 V
Slim design



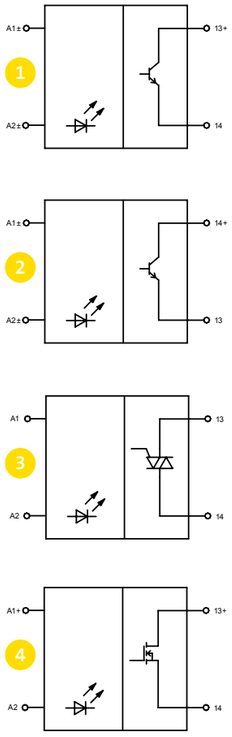




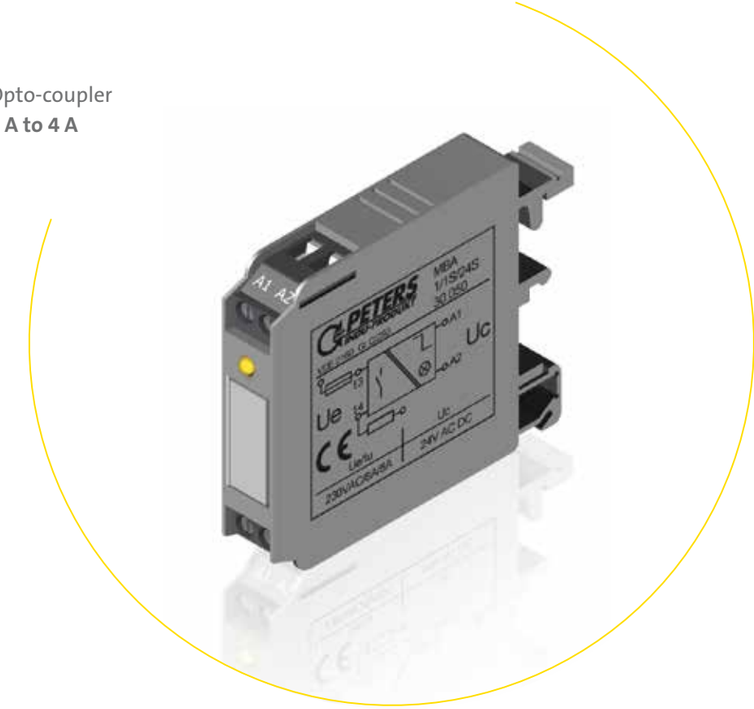
DETAILS

_ Switching voltage **250 VAC/300 VDC**
_ Starting/permanent current **6 A**
_ Max. power rating **1500 VA/240 W**
_ Contact resistance **< 30 mOhm**
_ Contact material **AgSnO2**
_ Energize/release time **10/15 ms**
_ Switching frequency **10 Hz**
_ Protection circuit **Diode**
_ Test insulation voltage **4 kV**
_ Insulation group **VDE 0110 Gr. C**
_ Operation indicator **LED yellow**
_ Measurements **6,2 x 85 x 81 mm**
_ Fastening **DIN-rail**
_ Temperature range **–20 °C to +50 °C**
_ Accessories part no. 099063 **Bridging connector 24-pins**

OPTO-COUPLER/1 A TO 4 A



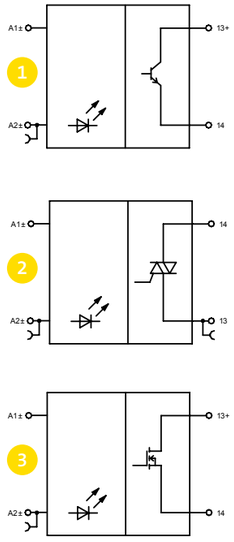
Opto-coupler
1 A to 4 A



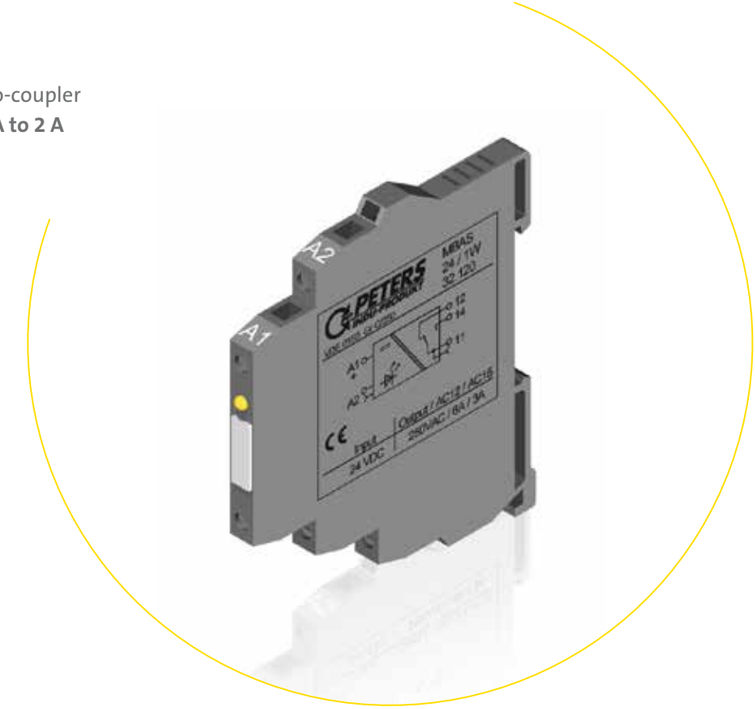
DETAILS

_ Control current **≤ 12 mA**
_ Switching current (min.) **10 mA**
_ Energize/release time **≤ 4/≤ 8 ms**
_ Test insulation voltage **2,5 kV**
_ Insulation group **VDE 0110 Gr. C**
_ Operation indicator **LED yellow**
_ Measurements **11,5 x 54 x 60 mm**
_ Fastening **DIN-rail**
_ Temperature range **–20 °C to +50 °C**
_ Overload protection **Part no. 030400**

OPTO-COUPLER/0,5 A TO 2 A



Opto-coupler
0,5 A to 2 A



DETAILS

_ Control current **≤ 12 mA**
_ Switching current (min.) **10 mA**
_ Energize/release time **≤ 4/≤ 8 ms**
_ Test insulation voltage **2,5 kV**
_ Insulation group **VDE 0110 Gr. C**
_ Operation indicator **LED yellow**
_ Measurements **6,2 x 85 x 81 mm**
_ Fastening **DIN-rail**
_ Temperature range **–20 °C to +50 °C**
_ Accessories part no. 099063 **Bridging connector 24-pins**
_ Overload protection **Part no. 032215/032240**

ORDER CODE

RELAY MODULE

OPTO-COUPLER

RELAY MODULE · 1 NO CONTACT

Voltage · circuit	Part No.
24 VDC · 1	030064
24 VDC + RC · 2	030065
24 VAC/DC · 3	030050
60 VAC/DC · 3	030081
115 VAC/DC · 3	030084
230 VAC/DC · 3	030056

RELAY MODULE · 1 NC CONTACT

Voltage · circuit	Part No.
24 VDC · 1	030068
24 VDC + RC · 2	030069
24 VAC/DC · 3	030054
60 VAC/DC · 3	030083
115 VAC/DC · 3	030085
230 VAC/DC · 3	030086

RELAY MODULE · 2 NO · 2 NC · 1 CO CONTACT

Voltage · circuit	Part No.
24 VDC · 1	030072
24 VDC · 2	030074
24 VAC/DC · 3	030058

RELAY MODULE · 2 CO CONTACT

Voltage	Part No.
24 VAC/DC	030070
230 VAC/DC	030079

RELAY MODULE · 1 NO CONTACT· SLIM DESIGN

Voltage · circuit	Part No.
24 VDC · 1	032110
115 VAC/DC · 2	032112
230 VAC · 3	032113

RELAY MODULE · 1 CO CONTACT

Voltage · circuit	Part No.
24 VDC · 1	032120
24 VAC/DC · 2	032130
115 VAC/DC · 2	032150
230 VAC · 3	032160

OPTO-COUPLER – 1 A TO 4 A

Input · output · current · circuit	Part No.
24 VDC · 1–48 VDC · 1,2 A · 1	030100
24 VDC · 1–48 VDC · 1,2 A · 2	030101
5 VDC · 5–48 VDC · 1,2 A · 1	030110
24 VDC · 10–260 VAC · 1,5 A · 3	030120
230 VDC · 1–400 VDC · 0,8 A · 1	030121
24 VDC · 1–48 VDC · 4 A · 4	030400

OPTO-COUPLER – 0,5 A TO 2 A

Input · output · current · circuit	Part No.
5 VDC · 5–48 VDC · 0,5 A · 1	032205
24 VDC · 12–250 VAC · 0,5 A · 2	032210
5 VDC · 5–48 VDC · 2,0 A · 3	032215
24 VDC · 1–48 VDC · 0,5 A · 1	032225
24 VDC · 1–48 VDC · 2,0 A · 3	032240

NOTES

EXTRACT OF OUR
PRODUCT PORTFOLIO

INNOVATIVE
RESPONSIVE
FLEXIBLE

automation

Connector M12

Connector M12

M12 Actuator-/
Sensor-Box

M8 Actuator-/
Sensor-Box

Connector M12
Field attachable

energy

Safety Gas Valve
1/2“ up to 1“ EN161

Safety Gas Valve
1 1/2“ up to DN 300 EN161

Gas Filter

PWM Energy
Saving Module

automotive

Delphi Connector

Deutsch Connector

JPT Connector

ST3 Connector

Superseal
Connector

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