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INDUSTRIAL AUTOMATION

mPm[®] DIN VALVE CONNECTORS

*Conform to industry standard EN 175301-803
(formerly DIN 43650)*



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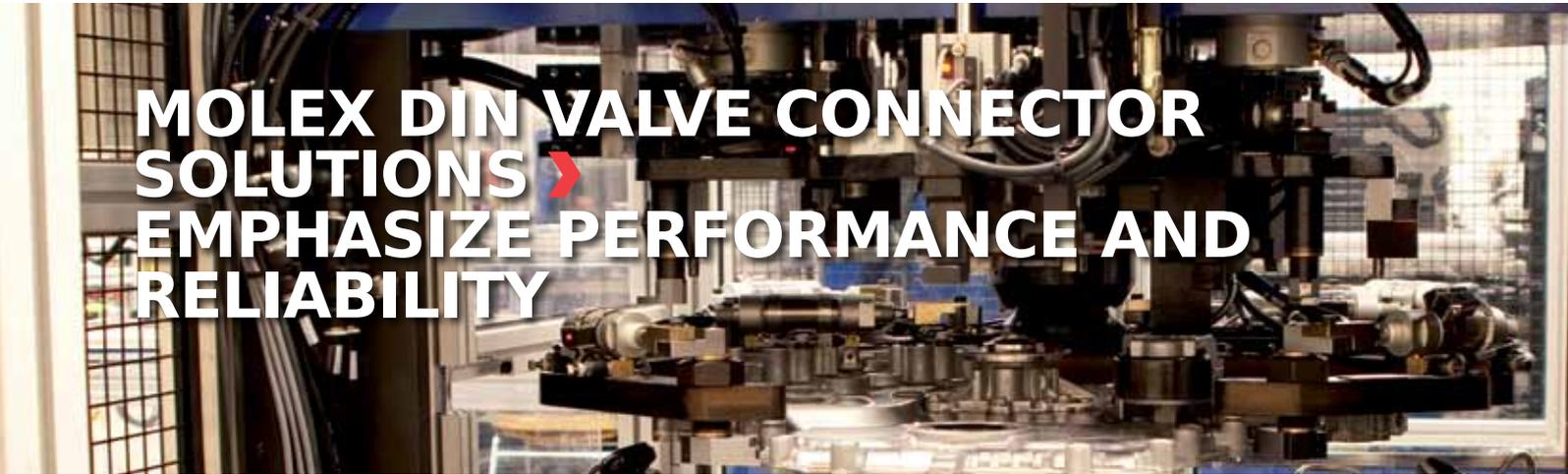
Available right from our home page

Detailed Application Pages

Instant Access to Product Specs

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**MOLEX DIN VALVE CONNECTOR
SOLUTIONS >
EMPHASIZE PERFORMANCE AND
RELIABILITY**

The Molex range of field attachable DIN valve connectors provide unsurpassed sealing properties and increase performance, simplify manufacturing processes, reduce inventory and lower applied costs for hydraulic, pneumatic and electromagnetic devices as well as sensors.



Source: Siemens AG

mPm[®] **Field Attachable** **DIN Valve Connectors** **Conform to EN 175301-803 (ex DIN 43650)**

The mPm[®] range of connectors is used extensively to provide electrical connection in a wide range of applications. The most common application for mPm DIN connectors is in conjunction with pneumatic, hydraulic or electromagnetic devices, including solenoid valves. Other applications include, for example, pressure transducers, proximity switches, level sensors, limit switches and low energy motors. Molex manufactures an extensive and comprehensive range of connectors with standard options including for example LED illuminated devices as well as VDR, diodes or transil diodes (with or without illuminated device) to offer protection against overvoltage peaks. Brad[®] DIN mPm connectors offer protection from dust and water (IP65 or IP67 on specific request) when correctly installed with screw and gasket which are supplied together with the connector.



IP67 rated DIN valve connectors with improved strain relief. Cable retention force increased by up to 20% over internal nut styles. Enlarged cable range that covers the PG9 and PG11 internal thread connector cable range. Conforms to EN 175301-803.

Specifications

ELECTRICAL

Max. Current: 16.0A
 Contact Resistance:
 ≤ 15 milliohms max.
 Insulation Resistance:
 100 Megohms min.
 Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
 2+GND ≤ 60N

CERTIFICATION

UL recognized *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
 Contact Area: Silver
 Solder Tail Area: Silver
 Operating Temperature with:
 Nitrile Rubber (NBR) Gasket:
 -40° to +90°C
 Silicone Gasket: -40° to +125°C
 Cable Diameter Range: 4.00-9.00mm
 Live Contact Distance:
 18.00mm

ENVIRONMENTAL

IP67 Sealing Protection

Non Electronic

C28 2 00 N 0 R **

SERIES — C28=External Thread Form A
POLES — 2=2Poles+Ground 3=3Poles+Ground
THREAD — 00=External Thread
COVER COLOR — N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION — 0=Unmounted 2=H12 3=H3 6=H6 9=H9
SCREW & GASKET — R=Integrated NBR Gasket & IP67 Screw, S=Integrated Silicone Gasket & IP67 Screw
PACKAGING STYLE — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

Electronic

S28 2 00 T C4 2 0 R **

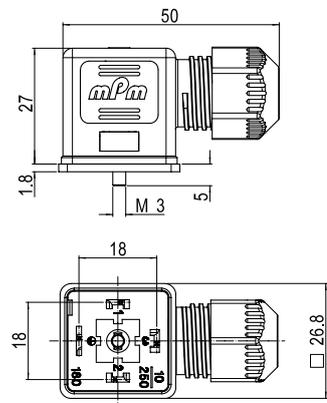
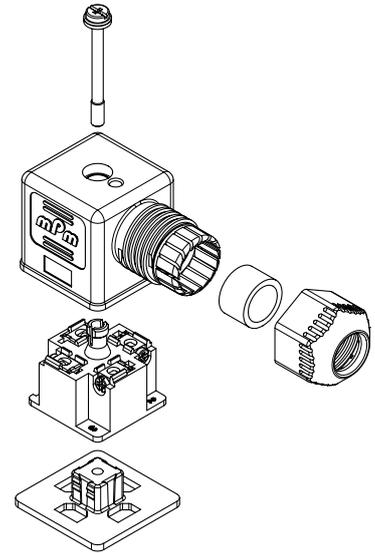
SERIES — S28=External Thread Form A
POLES — 2=2Poles+Ground
THREAD — 00=External Thread
COVER COLOR — N=Black Cover G=Gray Cover T=Transparent
CIRCUIT — see page 33
VOLTAGE & LED COLOR — see page 33
GROUND POSITION — 0=Unmounted 2=H12 3=H3 6=H6 9=H9
SCREW & GASKET — R=Integrated NBR Gasket & IP67 Screw, S=Integrated Silicone Gasket & IP67 Screw
PACKAGING STYLE — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted



mPm® Field Attachable DIN Valve Connectors

121201 Form A, Ext. Thread,
Non-Electronic

121207 Form A, Ext. Thread,
Electronic



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2R5NSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted	2+Ground	NO	250V AC/300V DC	NO	C28200N0R	121201-0001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C28200N2RSN	121201-0034
Single Bag	Unmounted	3+Ground	NO	250V AC/300V DC	NO	C28300N0R	121201-0002
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C28300N2RSN	121201-0038
Single Bag	Unmounted	2+Ground	C4	24V AC/DC	yellow	S28200TC4H0R	121207-0005
Bulk Pack	mounted		C4	24V AC/DC	yellow	S28200TC4H2RSN	121207-0368
Single Bag	Unmounted		C4	230V AC/DC	yellow	S28200TC4M0R	121207-0106
Bulk Pack	mounted		C4	230V AC/DC	yellow	S28200TC4M2RSN	121207-0371

IP67 rated DIN valve connector with improved strain relief. Cable retention force increased up to 20% over internal nut style. Enlarged cable range that covers the PG9 and PG11 internal thread connectors cable range.

Specifications

ELECTRICAL

Max. Current 16.0A
 Contact Resistance: ≤15milliohms max.
 Insulation Resistance:
 100Megohms min.
 Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
 2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
 Contact Area: Silver
 Solder Tail Area: Silver
 Operating Temperature with:
 Nitrile Rubber (NBR) Gasket: -40° +90°C
 Silicone Gasket: -40° +125°C
 Cable Diameter Range: 4.00-9.00mm
 Live Contact Distance: 11.00mm

ENVIRONMENTAL

IP67 Sealing Protection

Non Electronic

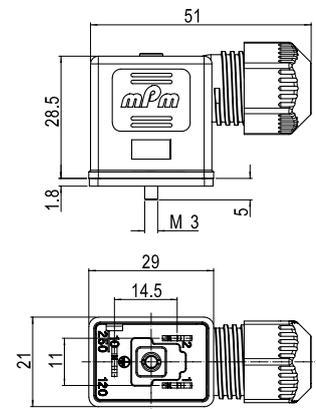
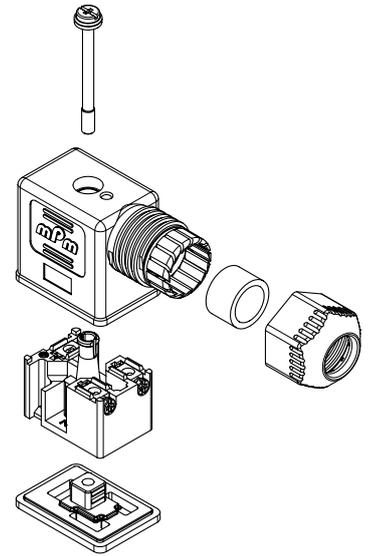
C22 2 00 N 0 R **

SERIES C22=External Thread Form Industrial
POLES 2=2Poles+Ground
THREAD 00=External Thread
COVER COLOR N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION 0=Unmounted 2=H12 6=H6
SCREW & GASKET R=Integrated NBR Gasket & IP67 Screw, S=Integrated Silicone Gasket & IP67 Screw
PACKAGING STYLE no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

Electronic

S22 2 00 T C4 2 0 R **

SERIES S22=External Thread Form Industrial
POLES 2=2Poles+Ground
THREAD 00=External Thread
COVER COLOR N=Black Cover G=Gray Cover T=Transparent
CIRCUIT see page 33
VOLTAGE & LED COLOR see page 33
GROUND POSITION 0=Unmounted 2=H12 6=H6
SCREW & GASKET R=Integrated NBR Gasket & IP67 Screw, S=Integrated Silicone Gasket & IP67 Screw
PACKAGING STYLE no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSN5A

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted	2+Ground	NO	250V AC/300V DC	NO	C22200N0R	1212020001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C22200N2RSN	1212020012
Single Bag	Unmounted		C4	24V AC/DC	yellow	S22200TC4H0R	1212080080
Bulk Pack	Mounted		C4	24V AC/DC	yellow	S22200TC4H2RSN	1212080240
Single Bag	Unmounted		C4	230V AC/DC	yellow	S22200TC4M0R	1212080083
Bulk Pack	Mounted		C4	230V AC/DC	yellow	S22200TC4M2RSN	1212080243

IP67 rated DIN valve connector with improved strain relief. Cable retention force increased up to 20% over internal nut style. Enlarged cable range that covers the PG9 and PG11 internal thread connectors cable range. Conforms to EN 175301-803

Specifications

ELECTRICAL

Current: max. 16.0A
 Contact Resistance: ≤15milliohms max.
 Insulation Resistance:
 100Megohms min.
 Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
 2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
 Contact Area: Silver
 Solder Tail Area: Silver
 Operating Temperature with:
 Nitrile Rubber (NBR) Gasket:
 -40° +90°C
 Silicone Gasket: -40° +125°C
 Cable Diameter Range: 4.00-9.00mm
 Live Contact Distance: 10.00mm

ENVIRONMENTAL

IP67 Sealing Protection

Non Electronic

C92 2 00 N 0 T **

SERIES — C92=External Thread Form B
POLES — 2=2Poles+Ground
THREAD — 00=External Thread
COVER COLOR — N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION — 0=Unmounted 2=H12 6=H6
SCREW & GASKET — T=Profile NBR Gasket & IP67 Screw, U=Profile Silicone Gasket & IP67 Screw
PACKAGING STYLE — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

Electronic

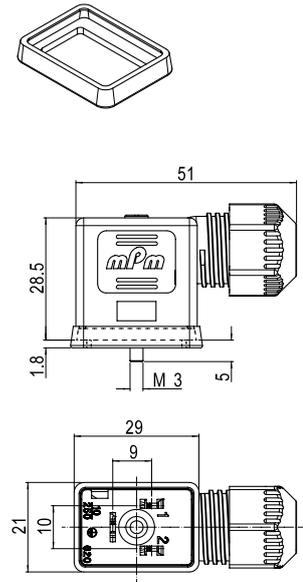
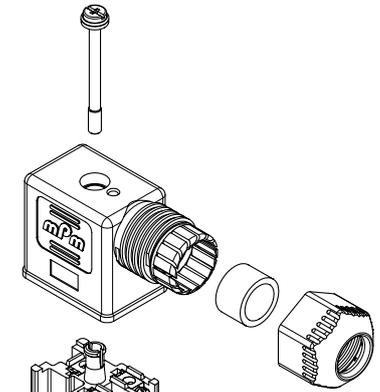
S92 2 00 T C4 2 0 T **

SERIES — S92=External Thread Form B
POLES — 2=2Poles+Ground
THREAD — 00=External Thread
COVER COLOR — N=Black Cover G=Gray Cover T=Transparent
CIRCUIT — see page 33
VOLTAGE & LED COLOR — see page 33
GROUND POSITION — 0=Unmounted 2=H12 6=H6
SCREW & GASKET — T=Profile NBR Gasket & IP67 Screw, U=Profile Silicone Gasket & IP67 Screw
PACKAGING STYLE — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted



mPm®
Field Attachable
DIN Valve
Connectors

121203 Form B, Ext. Thread, Non-Electronic
121209 Form B, Ext. Thread, Electronic



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted	2+Ground	NO	250V AC/300V DC	NO	C92200N0T	121203-0001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C92200N2TSN	121203-0009
Single Bag	Unmounted		C4	24V AC/DC	yellow	S92200TC4H0T	121209-0047
Bulk Pack	Mounted		C4	24V AC/DC	yellow	S92200TC4H2TSN	121209-0207
Single Bag	Unmounted		C4	230V AC/DC	yellow	S92200TC4M0T	121209-0050
Bulk Pack	Mounted		C4	230V AC/DC	yellow	S92200TC4M2TSN	121209-0210

IP67 rated DIN valve connector with improved strain relief. Cable retention force increased up to 20% over internal nut style. Enlarged cable range that covers the internal thread connectors cable range. Conforms to EN 175301-803

Specifications

ELECTRICAL

Current: max. 10.0A
 Contact Resistance: ≤15milliohms max.
 Insulation Resistance:
 100Megohms min.
 Max. Conductor: 0.75mm² / 18AWG

MECHANICAL

Insertion and Withdrawal Force:
 2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
 Contact Area: Silver
 Solder Tail Area: Silver
 Operating Temperature with:
 Nitrile Rubber (NBR) Gasket: -40° +90°C
 Silicone Gasket: -40° +125°C
 Cable Diameter Range: 3.00-5.50mm
 Live Contact Distance: 8.00mm

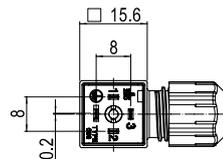
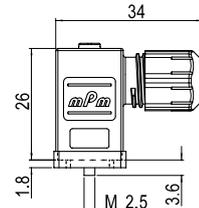
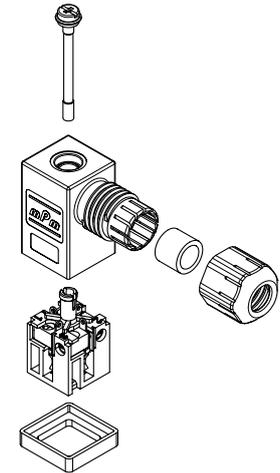
ENVIRONMENTAL

IP67 Sealing Protection

mPm® Field Attachable DIN Valve Connectors

121204 Form C, Ext. Thread,
Non-Electronic

121210 Form C, Ext. Thread,
Electronic



Non Electronic

C25 2 00 N 0 T **

SERIES — C25=External Thread Form C
POLES — 2=2Poles+Ground 3=3Poles+Ground
THREAD — 00=External Thread
COVER COLOR — N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION — 0=Unmounted 2=H12 3=H3 6=H6 9=H9
SCREW & GASKET — T=Profile NBR Gasket & IP67 Screw, U=Profile Silicone Gasket & IP67 Screw
PACKAGING STYLE — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

Electronic

S25 2 00 T C4 2 0 T **

SERIES — S25=External Thread Form C
POLES — 2=2Poles+Ground
THREAD — 00=External Thread
COVER COLOR — N=Black Cover G=Gray Cover T=Transparent
CIRCUIT — see page 33
VOLTAGE & LED COLOR — see page 33
GROUND POSITION — 0=Unmounted 2=H12 3=H3 6=H6 9=H9
SCREW & GASKET — T=Profile NBR Gasket & IP67 Screw, U=Profile Silicone Gasket & IP67 Screw
PACKAGING STYLE — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted	2+Ground	NO	250V AC/300V DC	NO	C25200N0T	121204-0001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C25200N2TSN	121204-0010
Single Bag	Unmounted		C4	24V AC/DC	yellow	S25200TC4H0T	121210-0042
Bulk Pack	Mounted		C4	24V AC/DC	yellow	S25200TC4H2TSN	121210-0342
Single Bag	Unmounted		C4	230V AC/DC	yellow	S25200TC4M0T	121210-0045
Bulk Pack	Mounted		C4	230V AC/DC	yellow	S25200TC4M2TSN	121210-0345

IP67 rated DIN valve connector with improved strain relief. Cable retention force increased up to 20% over internal nut style. Enlarged cable range that covers internal thread connectors cable range.

Specifications

ELECTRICAL

Max. Current 10.0A
 Contact Resistance: ≤15milliohms max.
 Insulation Resistance:
 100Megohms min.
 Max Conductor: 0.75mm² / 18AWG

MECHANICAL

Insertion and Withdrawal Force:
 2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
 Contact Area: Silver
 Solder Tail Area: Silver
 Operating Temperature with:
 Nitrile Rubber (NBR) Gasket:
 -40° +90°C
 Silicone Gasket -40° to +125°C
 Cable Diameter Range: 3.00-5.50mm
 Live Contact Distance: 9.40mm

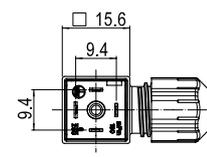
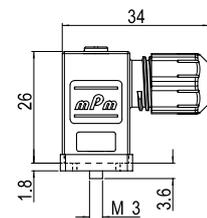
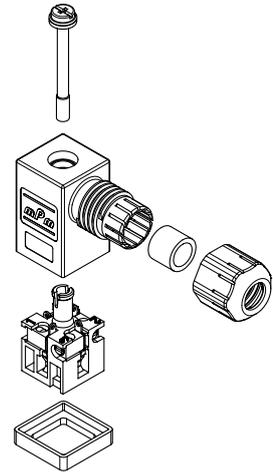
ENVIRONMENTAL

IP67 Sealing Protection

mPm® Field Attachable DIN Valve Connectors

121205 Form Micro, Ext. Thread
Non-Electronic

121211 Form Micro, Ext. Thread
Electronic



Non Electronic

C29 2 00 N 0 T **

- SERIES** — C29=External Thread Form Micro
- POLES** — 2=2Poles+Ground 3=3Poles+Ground
- THREAD** — 00=External Thread
- COVER COLOR** — N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
- GROUND POSITION** — 0=Unmounted 2=H12 3=H3 6=H6 9=H9
- SCREW & GASKET** — T=Profile NBR Gasket & IP67 Screw, U=Profile Silicone Gasket & IP67 Screw
- PACKAGING STYLE** — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

Electronic

S29 2 00 T C4 2 0 T **

- SERIES** — S29=External Thread Form Micro
- POLES** — 2=2Poles+Ground
- THREAD** — 00=External Thread
- COVER COLOR** — N=Black Cover G=Gray Cover T=Transparent
- CIRCUIT** — see page 33
- VOLTAGE & LED COLOR** — see page 33
- GROUND POSITION** — 0=Unmounted 2=H12 3=H3 6=H6 9=H9
- SCREW & GASKET** — T=Profile NBR Gasket & IP67 Screw, U=Profile Silicone Gasket & IP67 Screw
- PACKAGING STYLE** — no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2R5NSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted	2+Ground	NO	250V AC/300V DC	NO	C29200N0T	121205-0001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C29200N2TSN	121205-0012
Single Bag	Unmounted		C4	24V AC/DC	yellow	S29200TC4H0T	121211-0042
Bulk Pack	Mounted		C4	24V AC/DC	yellow	S29200TC4H2TSN	121211-0342
Single Bag	Unmounted		C4	230V AC/DC	yellow	S29200TC4M0T	121211-0045
Bulk Pack	Mounted		C4	230V AC/DC	yellow	S29200TC4M2TSN	121211-0345

**Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style, gaskets and circuitry.
Conforms to EN 175301-803**

Specifications

ELECTRICAL

Max. Current: 16.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone -40° +125°C
Cable Diameter Range:
PG9-M16 6.00-8.00mm
PG11-G1/2"-M20 8.00-10.00mm
Live Contact Distance: 18.00mm

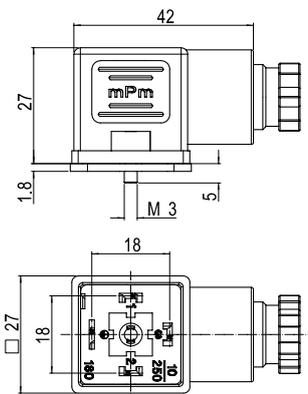
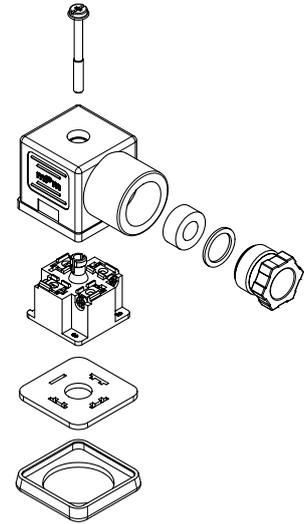
ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

mPm® Field Attachable DIN Valve Connectors

121023 Form A, Intern. Thread,
Non-Electronic

121064 Form A, Intern. Thread,
Electronic



Non Electronic C18 2 09 N 2 1

SERIES — C18=Internal Thread Form A
POLES — 2=2Poles+Ground 3=3Poles+Ground
THREAD — 09=PG9 11=PG11 M6=M16x1,5 M0=M20x1,5
12=1/2" GAS 13=1/2 NPTF
COVER COLOR — N=Black Cover G=Gray Cover
W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION — 2=H12 3=H3 6=H6 9=H9
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Electronic S18 2 09 T C4 2 1

SERIES — S18=Internal Thread Form A
POLES — 2=2Poles+Ground
THREAD — 09=PG9 11=PG11 M6=M16x1,5 M0=M20x1,5
12=1/2" GAS 13=1/2 NPTF
COVER COLOR — N=Black Cover G=Gray Cover T=Transparent
CIRCUIT — see page 33
VOLTAGE & LED COLOR — see page 33
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	2+Ground	NO	250V AC/300V DC	NO	C18209N21	121023-0238
		NO	250V AC/300V DC	NO	C18211N21	121023-0278
		NO	250V AC/300V DC	NO	C18309N21	121023-0341
		NO	250V AC/300V DC	NO	C18311N21	121023-0377
	3+Ground	C4	24V AC/DC	yellow	S18209TC4H1	121064-0600
		C4	230V AC/DC	yellow	S18209TC4M1	121064-0603
		C4	24V AC/DC	yellow	S18211TC4H1	121064-0685
		C4	230V AC/DC	yellow	S18211TC4M1	121064-0687

**Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style and gaskets.
Conforms to EN 175301-803**

Specifications

ELECTRICAL

Max. Current: 16.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket: -40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG9-M16 6.00-8.00mm
PG11-G1/2"-M20 8.00-10.00mm
Live Contact Distance: 18.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

Non Electronic

C81 2 09 N 2 1

SERIES ————
C81=Internal Thread Form A High Space

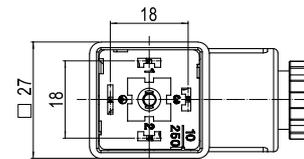
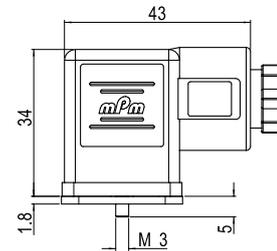
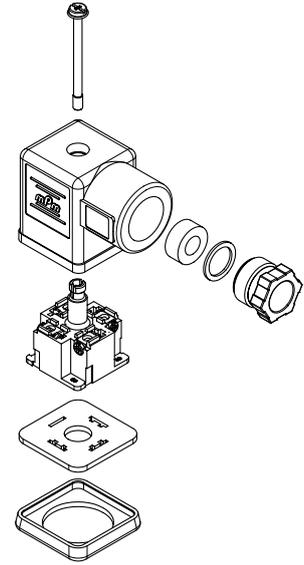
POLES ————
2=2Poles+Ground **3**=3Poles+Ground

THREAD ————
09=PG9 **11**=PG11 **M6**=M16x1,5 **M0**=M20x1,5
12=1/2" GAS

COVER COLOR ————
N=Black Cover **G**=Gray Cover
W=V0 Black Cover (only with UL listed connectors)

GROUND POSITION ————
2=H12 **3**=H3 **6**=H6 **9**=H9

SCREW & GASKET ————
1=Profile NBR Gasket & Screw, **2**=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, **4**=White Silicone Flat Gasket & Screw



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	2+Ground	NO	250V AC/300V DC	NO	C81209N21	121023-0612
		NO	250V AC/300V DC	NO	C81211N21	121023-0620
	3+Ground	NO	250V AC/300V DC	NO	C81309N21	121023-0629
		NO	250V AC/300V DC	NO	C81311N21	121023-0633

Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style, gaskets and circuitry.

Specifications

ELECTRICAL

Max. Current: 16.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, cURus marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket: -40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG7-M12 4.00-6.00mm
PG9-M16 6.00-8.00mm
M20 8.00-10.00mm
Live Contact Distance: 11.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

Non Electronic

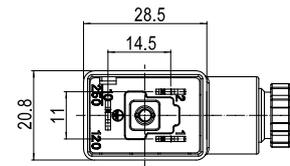
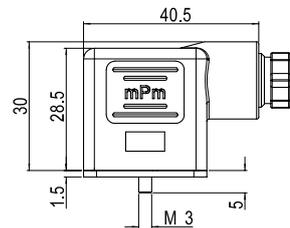
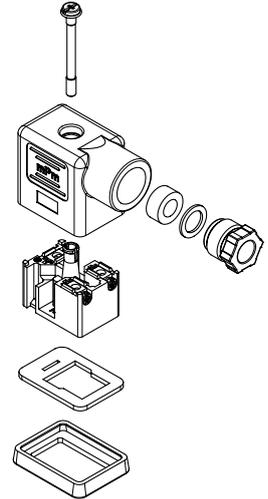
C12 2 07 N 2 1

SERIES C12=Internal Thread Form Industrial
POLES 2=2Poles+Ground
THREAD 07=PG7 09=PG9 M2=M12x1,5 M6=M16x1,5
M0=M20x1,5 13=1/2" NPTF
COVER COLOR N=Black Cover G=Gray Cover
W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION 2=H12 6=H6
SCREW & GASKET 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Electronic

S02 2 07 T C4 2 1

SERIES S02=Internal Thread Form Industrial
POLES 2=2Poles+Ground
THREAD 07=PG7 09=PG9 M2=M12x1,5 M6=M16x1,5
M0=M20x1,5 13=1/2" NPTF
COVER COLOR N=Black Cover G=Gray Cover T=Transparent
CIRCUIT see page 33
VOLTAGE & LED COLOR see page 33
SCREW & GASKET 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw



mPm® Field Attachable DIN Valve Connectors

121023 Form Industrial,
Intern. Thread, Non-Electronic
121064 Form Industrial,
Intern. Thread, Electronic

Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	Mounted	2+Ground	NO	250V AC/300V DC	NO	C12207N21	121023-0105
			NO	250V AC/300V DC	NO	C12209N21	121023-0122
			C4	24V AC/DC	yellow	S02209TC4H1	121064-0120
			C4	230V AC/DC	yellow	S02209TC4M1	121064-0124

**Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style, gaskets and circuitry.
Conforms to EN 175301-803.**

Specifications

ELECTRICAL

Max. Current: 16.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG7-M12 4.00-6.00mm
PG9-M16 6.00-8.00mm
Live Contact Distance: 10.00mm

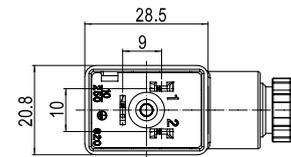
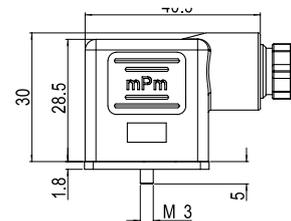
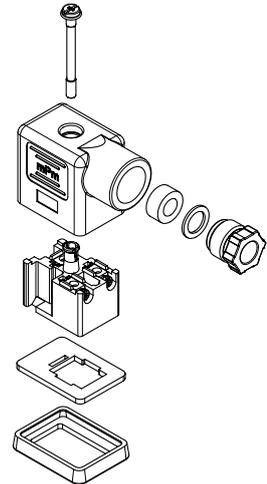
ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

mPm® Field Attachable DIN Valve Connectors

121023 Form B, Intern. Thread,
Non-Electronic

121064 Form B, Intern. Thread,
Electronic



Non Electronic

C62 2 07 N 2 1

SERIES — C62=Internal Thread Form B
POLES — 2=2Poles+Ground
THREAD — 07=PG7 09=PG9 M2=M12x1,5 M6=M16x1,5
COVER COLOR — N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION — 2=H12 6=H6
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw 3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Electronic

S62 2 07 T C4 2 1

SERIES — S62=Internal Thread Form B
POLES — 2=2Poles+Ground
THREAD — 07=PG7 09=PG9 M2=M12x1,5 M6=M16x1,5
COVER COLOR — N=Black Cover G=Gray Cover T=Transparent
CIRCUIT — see page 33
VOLTAGE & LED COLOR — see page 33
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw 3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	Mounted	2+Ground	NO	250V AC/300V DC	NO	C62207N21	121023-0569
			NO	250V AC/300V DC	NO	C62209N21	121023-0571
			C4	24V AC/DC	yellow	S62209TC4H1	121064-1239
			C4	230V AC/DC	yellow	S62209TC4M1	121064-1241

**Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style, gaskets and circuitry.
Conforms to EN 175301-803.**

Specifications

ELECTRICAL

Max. Current: 10.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 0.75mm² / 18AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG7-M12 4.00-6.00mm
Live Contact Distance: 8.00mm

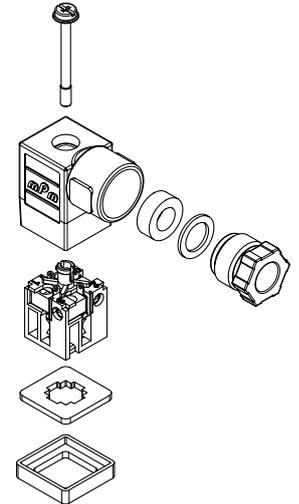
ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

mPm® Field Attachable DIN Valve Connectors

121023 Form C, Intern. Thread,
Non-Electronic

121064 Form C, Intern. Thread,
Electronic

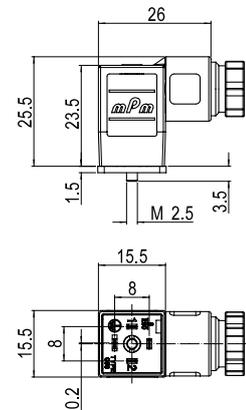


Non Electronic C05 2 07 N 2 1

SERIES C05=Internal Thread Form C
POLES 2=2Poles+Ground 3=3Poles+Ground
THREAD 07=PG7 M2=M12x1,5
COVER COLOR N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION 2=H12 3=H3 6=H6 9=H9
SCREW & GASKET 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw 3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Electronic S05 2 07 T C4 2 1

SERIES S05=Internal Thread Form C
POLES 2=2Poles+Ground
THREAD 07=PG7 M2=M12x1,5
COVER COLOR N=Black Cover G=Gray Cover T=Transparent
CIRCUIT see page 33
VOLTAGE & LED COLOR see page 33
SCREW & GASKET 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw 3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	Mounted	2+Ground	NO	250V AC/300V DC	NO	C05207N21 121023-0083
		3+Ground	NO	250V AC/300V DC	NO	C05307N21 121023-0684
	2+Ground	C4	24V AC/DC	yellow	S05207TC4H1 121064-1253	
		C4	230V AC/DC	yellow	S05207TC4M1 121064-1446	

**Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style, gaskets and circuitry.**

Specifications

ELECTRICAL

Max. Current: 10.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 0.75mm² / 18AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

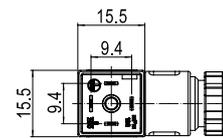
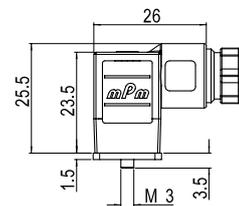
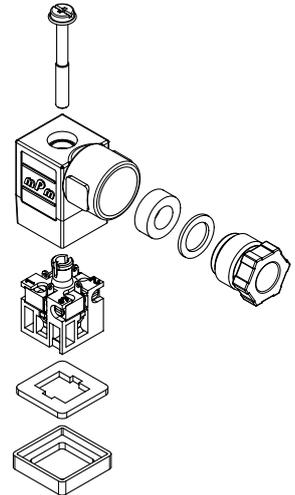
Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG7-M12 4.00-6.00mm
Live Contact Distance: 9.40mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

mPm® Field Attachable DIN Valve Connectors

121023 Micro Form,
Intern. Thread, Non-Electronic
121064 Micro Form,
Intern. Thread, Electronic



Non Electronic C19 2 07 N 2 1

SERIES — C19=Internal Thread Form Micro
POLES — 2=2Poles+Ground 3=3Poles+Ground
THREAD — 07=PG7 M2=M12x1,5
COVER COLOR — N=Black Cover G=Gray Cover W=V0 Black Cover (only with UL listed connectors)
GROUND POSITION — 2=H12 3=H3 6=H6 9=H9
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw 3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Electronic S19 2 07 T C4 2 1

SERIES — S19=Internal Thread Form Micro
POLES — 2=2Poles+Ground
THREAD — 07=PG7 M2=M12x1,5
COVER COLOR — N=Black Cover G=Gray Cover T=Transparent
CIRCUIT — see page 33
VOLTAGE & LED COLOR — see page 33
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw 3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	Mounted	2+Ground	NO	250V AC/300V DC	NO	C19207N21 121023-0433
		3+Ground	NO	250V AC/300V DC	NO	C19307N21 121023-0464
	2+Ground	C4	24V AC/DC	yellow	S19207TC4H1 121064-0871	
		C4	230V AC/DC	yellow	S19207TC4M1 121064-1342	

Standard internal thread DIN valve connector, IP65 rated. Available with different thread style, gaskets and circuitry. Conforms to EN 175301-803

121064 Form A, Intern. Thread, Electronic

Specifications

ELECTRICAL

Max. Current: 16.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, cURus marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket: -40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG9-M12 6.00-8.00mm
PG11 8.00-10.00mm
Live Contact Distance: 18.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

Electronic

S53 2 11 T C4 2 1

SERIES

S53=Internal Thread Form A

POLES

2=2Poles+Ground

THREAD

09=PG9 11=PG11 M6=M16x1,5

COVER COLOR

N=Black Cover G=Gray Cover T=Transparent
W=V0 Black Cover (only with UL listed Conn)

CIRCUIT

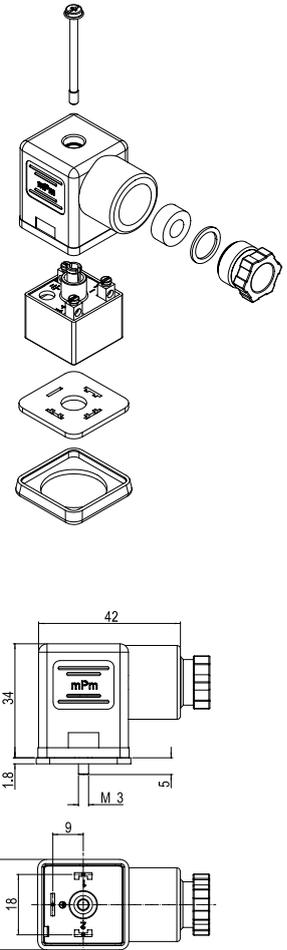
see page 33

VOLTAGE & LED COLOR

see page 33

SCREW & GASKET

1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	Mounted	2+Ground	R0	24V AC	NO	S53209NR021	121064-0896
			R0	230V AC	NO	S53209NR051	121064-0900
			R2	24V AC	yellow	S53209TR2H1	121064-0953
			R2	230V AC	yellow	S53209TR2M1	121064-0955

Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style, gaskets and circuitry.

Specifications

ELECTRICAL

Max. Current: 16.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG7-M12 4.00-6.00mm
PG9-M16 6.00-8.00mm
Live Contact Distance: 11.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

Electronic

S54 2 09 T C4 2 1

SERIES

S54=Internal Thread Form Industrial

POLES

2=2Poles+Ground

THREAD

07=PG7 **09**=PG9 **M2**=M12x1,5 **M6**=M16x1,5

COVER COLOR

N=Black Cover **G**=Gray Cover **T**=Transparent
W=V0 Black Cover (only with UL listed Conn)

CIRCUIT

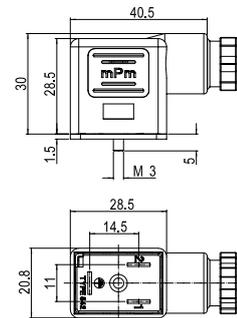
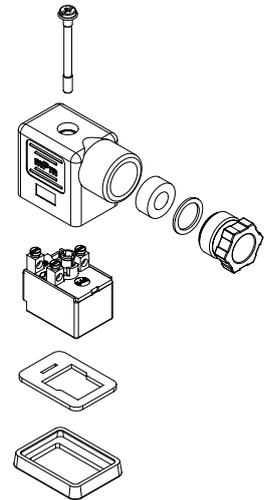
see page 33

VOLTAGE & LED COLOR

see page 33

SCREW & GASKET

1=Profile NBR Gasket & Screw, **2**=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, **4**=White Silicone Flat Gasket & Screw



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	Mounted	2+Ground	R0	24V AC	NO	S54209NR021	121064-1036
			R0	230V AC	NO	S54209NR051	121064-1038
			R2	24V AC	yellow	S54209TR2H1	121064-1083
			R2	230V AC	yellow	S54209TR2M1	121064-1810

Standard internal thread DIN valve connector, IP65 rated.
Available with different thread style, gaskets and circuitry.
Conforms to EN 175301-803

Specifications

ELECTRICAL

Max. Current: 16.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.
Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket: -40° +90°C
Silicone Gasket: -40° +125°C
Cable Diameter Range:
PG9-M16 6.00-8.00mm
PG11-M20 8.00-10.00mm
Live Contact Distance: 18.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

Electronic

S11 2 09 T C4 2 1

SERIES

S11=Internal Thread Form A

POLES

2=2Poles+Ground 3=3Poles+Ground

THREAD

09=PG7 11=PG7 M6=M16x1,5

COVER COLOR

N=Black Cover G=Gray Cover T=Transparent
W=V0 Black Cover (only with UL listed Conn)

CIRCUIT

see page 33

VOLTAGE & LED COLOR

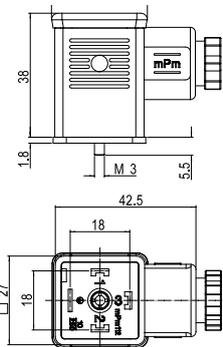
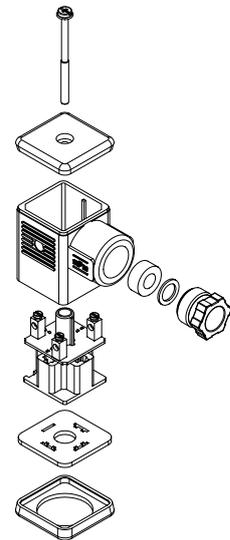
see page 33

SCREW & GASKET

1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

mPm® Field Attachable DIN Valve Connectors

121064 Form A, Intern. Thread,
Electronic



Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packaging Type		Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Bulk Pack	Mounted	2+Ground	R0	24V AC	NO	S11209NR021	121064-0248
			R0	230V AC	NO	S11209NR051	121064-0250
			R2	24V AC	yellow	S11209NR2H1	121064-1811
			R2	230V AC	yellow	S11209NR2M1	121064-1692



**PRE-WIRED SOLENOID CONNECTORS
CONFORM TO INDUSTRY STANDARD
EN 175301-803**

When space and time are in short supply, mPm[®] DIN valve overmolded cordsets provide the perfect solution which also conform to Industry Standard EN 175301-803 (formerly DIN 43650). This is the standard for a series of electrical connectors, which are commonly used with solenoid valves - especially those used on hydraulic and pneumatic valves.



mPm[®] **Molded Cable DIN Valve** **Connectors**

Conform to EN 175301-803 (ex DIN 43650)

Our connectors with integrated cable are suitable for use with most types of solenoid valves. They offer a fast and efficient method of connection resulting in greatly reduced installation time and cost and it is always preferred in rugged applications. They can be supplied with or without LED indicators and surge suppression circuit. A diagram is printed on each electronic connector to allow an easy user identification.



**DIN Valve connectors with molded cable, IP65 rated.
IP67 version available on request.
Conforms to EN 175301-803.**

Specifications

ELECTRICAL

Current: max. 5.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Live Contact Distance: 18.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

Non Electronic

E15 2 N2 N 300 1 1

- SERIES** → E15=Overmolded Cordset Form A
- POLES** → 2=2Poles+Ground 3=3Poles+Ground
- CABLE TYPE** → see cable options on technical features page 32
- HEAD COLOR** → N=Black G=Gray A=UL Black (only with UL listed cable)
- CABLE LENGTH** → e.g. 050=50cm 300=3.0m 10K=10.0m
- GROUND LOCATION** → 1=Double Ground H6/H12 2=H12 6=H6
- SCREW & GASKET** → 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw
P=NBR Integrated Gasket Assembled + IP67 Screw

Electronic

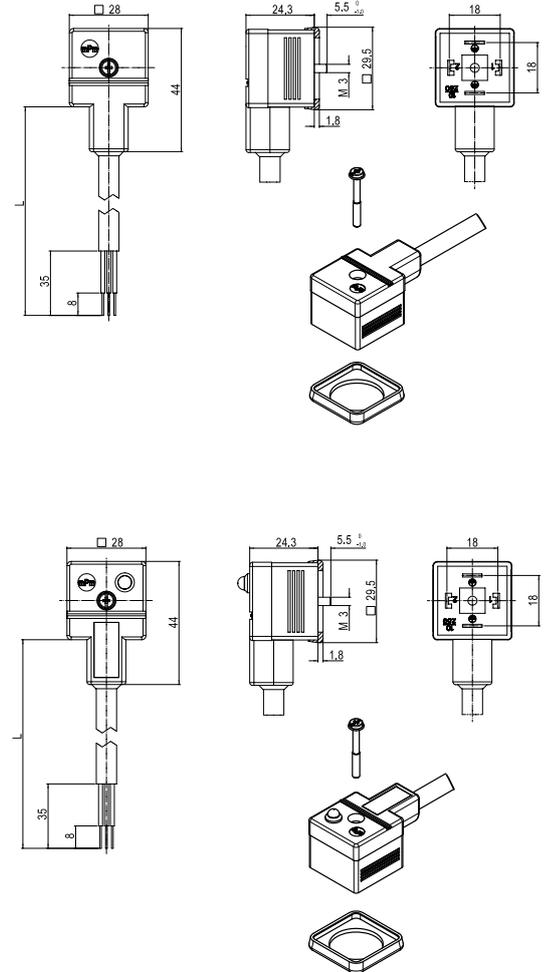
E45 2 N2 N 300 1 1 C4 2

- SERIES** → E45=Overmolded Cordset Form A
- POLES** → 2=2Poles+Ground
- CABLE TYPE** → see cable options on technical features page 32
- HEAD COLOR** → N=Black G=Gray A=UL Black (only with UL listed cable)
- CABLE LENGTH** → e.g. 050=50cm 300=3.0m 10K=10.0m
- GROUND LOCATION** → 1=Double Ground H6/H12
- SCREW & GASKET** → 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw
P=NBR Integrated Gasket Assembled + IP67 Screw
- CIRCUIT** → see page 33
- VOLTAGE & LED COLOR** → see page 33

mPm® Molded Cable DIN Valve Connectors

121040 Form A, Overmolded
Non-Electronic

121050 Form A, Overmolded
Electronic



Note: UL listed part number identified by combining UL listed cable with UL overmolding material
e.g. E152A3A30011

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Ground Position	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
H6/H12	2+Ground	NO	250V	NO	E152N3N10011	121040-0140
H12	3+Ground	NO	250V	NO	E153N3N10021	121040-0210
H6	3+Ground	NO	250V	NO	E153N3N10061	121040-0212
H6/H12	2+Ground	C4	24V AC/DC	yellow	E452N3N10011C4H	121050-0554
H6/H12		C4	230V AC/DC	yellow	E452N3N10011C4M	121050-1867

**DIN Valve connectors with molded cable, IP65 rated.
IP67 version available on request.**

Specifications

ELECTRICAL

Current: max. 5.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Live Contact Distance: 11.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

mPm® Molded Cable DIN Valve Connectors

121040 Form Industrial,
Overmolded, Non-Electronic
121050 Form Industrial,
Overmolded, Electronic

Non Electronic

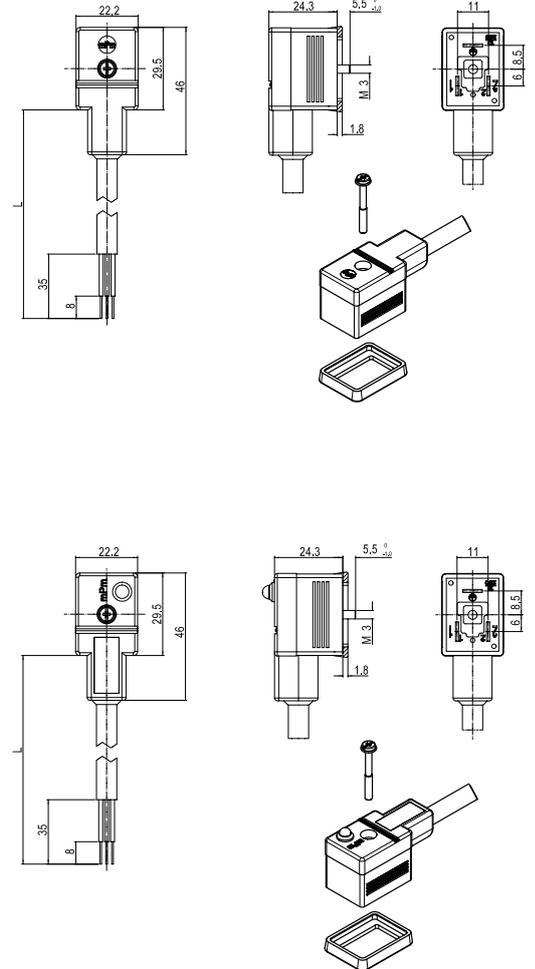
E16 2 N2 N 300 2 1

SERIES E16=Overmolded Cordset Form Industrial
POLES 2=2Poles+Ground
CABLE TYPE see cable options on technical features page 32
HEAD COLOR N=Black G=Gray A=UL Black (only with UL listed cable)
CABLE LENGTH e.g. 050=50cm 300=3.0m 10K=10.0m
GROUND LOCATION 2=H12 6=H6
SCREW & GASKET 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw
P=NBR Integrated Gasket Assembled + IP67 Screw

Electronic

E46 2 N2 N 300 2 1 C4 2

SERIES E46=Overmolded Cordset Form Industrial
POLES 2=2Poles+Ground
CABLE TYPE see cable options on technical features page 32
HEAD COLOR N=Black G=Gray A=UL Black (only with UL listed cable)
CABLE LENGTH e.g. 050=50cm 300=3.0m 10K=10.0m
GROUND LOCATION 2=H12 6=H6
SCREW & GASKET 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw
P=NBR Integrated Gasket Assembled + IP67 Screw
CIRCUIT see page 33
VOLTAGE & LED COLOR see page 33



Note: UL listed part number identified by combining UL listed cable with UL overmolding material
e.g. E152A3A30011

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Ground Position	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
H12	2+Ground	NO	250V	NO	E162N3N10021	121040-0295
H6		NO	250V	NO	E162N3N10061	121040-0297
H12		C4	24V AC/DC	yellow	E462N3N10021C4H	121050-1097
H6		C4	24V AC/DC	yellow	E462N3N10061C4H	121050-1108
H12		C4	230V AC/DC	yellow	E462N3N10021C4M	121050-3473
H6		C4	230V AC/DC	yellow	E462N3N10061C4M	121050-3474

**DIN Valve connectors with molded cable, IP65 rated.
IP67 version available on request.
Conforms to EN 175301-803.**

Specifications

ELECTRICAL

Current: max. 5.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone -40° +125°C
Live Contact Distance: 10.00mm

ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

Non Electronic

E07 2 N2 N 300 2 1

SERIES — E07=Overmolded Cordset Form B
POLES — 2=2Poles+Ground
CABLE TYPE — see cable options on technical features page 32
HEAD COLOR — N=Black G=Gray A=UL Black (only with UL listed cable)
CABLE LENGTH — e.g. 050=50cm 300=3.0m 10K=10.0m
GROUND LOCATION — 2=H12 6=H6
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw
P=NBR Integrated Gasket Assembled + IP67 Screw

Electronic

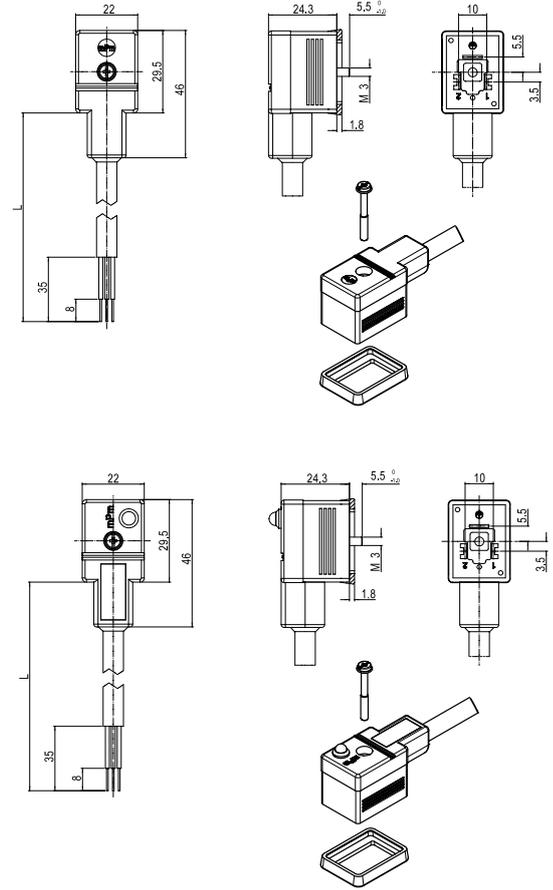
E47 2 N2 N 300 2 1 C4 2

SERIES — E47=Overmolded Cordset Form A
POLES — 2=2Poles+Ground
CABLE TYPE — see cable options on technical features page 32
HEAD COLOR — N=Black G=Gray A=UL Black (only with UL listed cable)
CABLE LENGTH — e.g. 050=50cm 300=3.0m 10K=10.0m
GROUND LOCATION — 2=H12 6=H6
SCREW & GASKET — 1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw
P=NBR Integrated Gasket Assembled + IP67 Screw
CIRCUIT — see page 33
VOLTAGE & LED COLOR — see page 33

mPm® Molded Cable DIN Valve Connectors

121040 Form B, Overmolded
Non-Electronic

121050 Form B, Overmolded
Electronic



Note: UL listed part number identified by combining UL listed cable with UL overmolding material
e.g. E152A3A30011

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Ground Position	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
H12	2+Ground	NO	250V	NO	E072N3N10021	121040-1254
H6		NO	250V	NO	E072N3N10061	121040-1401
H12		C4	24V AC/DC	yellow	E472N3N10021C4H	121050-3475
H6		C4	24V AC/DC	yellow	E472N3N10061C4H	121050-3477
H12		C4	230V AC/DC	yellow	E472N3N10021C4M	121050-3476
H6		C4	230V AC/DC	yellow	E472N3N10061C4M	121050-3478

**DIN Valve connectors with molded cable, IP65 rated.
IP67 version available on request.
Conforms to EN 175301-803.**

Specifications

ELECTRICAL

Current: max. 3.0A
Contact Resistance: ≤15milliohms max.
Insulation Resistance:
100Megohms min.

MECHANICAL

Insertion and Withdrawal Force:
2+GND ≤ 60N

CERTIFICATION

UL recognized, *cURus* marked, file E218123 (product available upon request or specific part number)

PHYSICAL

Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Live Contact Distance: 8.00mm

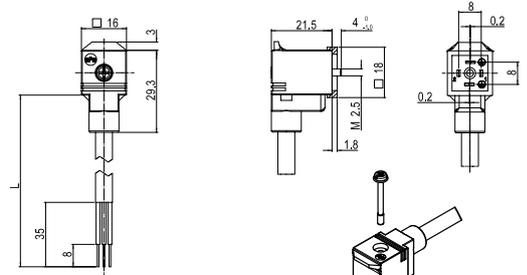
ENVIRONMENTAL

IP65 sealing protection
(IP67 available on request)

mPm® Molded Cable DIN Valve Connectors

121040 Form C, Overmolded
Non-Electronic

121050 Form C, Overmolded
Electronic



Non Electronic

E43 2 N2 N 300 1 1

SERIES ————
E43=Overmolded Cordset Form C

POLES ————
2=2Poles+Ground **3**=3Poles+Ground

CABLE TYPE ————
see cable options on technical features page 32

HEAD COLOR ————
N=Black **G**=Gray **A**=UL Black (only with UL listed cable)

CABLE LENGTH ————
e.g. **050**=50cm **300**=3.0m **10K**=10.0m

GROUND LOCATION ————
1=Double Ground H6/H12 **2**=H12 **6**=H6

SCREW & GASKET ————
1=Profile NBR Gasket & Screw, **2**=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, **4**=White Silicone Flat Gasket & Screw
T=Profile NBR Gasket + IP67 Fixing Screw

Electronic

E49 2 N2 N 300 1 1 C4 2

SERIES ————
E49=Overmolded Cordset Form C

POLES ————
2=2Poles+Ground

CABLE TYPE ————
see cable options on technical features page 32

HEAD COLOR ————
N=Black **G**=Gray **A**=UL Black (only with UL listed cable)

CABLE LENGTH ————
e.g. **050**=50cm **300**=3.0m **10K**=10.0m

GROUND LOCATION ————
1=Double Ground H6/H12 **2**=H12 **6**=H6

SCREW & GASKET ————
1=Profile NBR Gasket & Screw, **2**=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, **4**=White Silicone Flat Gasket & Screw
T=Profile NBR Gasket + IP67 Fixing Screw

CIRCUIT ————
see page 33

VOLTAGE & LED COLOR ————
see page 33

Note: UL listed part number identified by combining UL listed cable with UL overmolding material
e.g. E152A3A30011

Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Ground Position	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
H6/H12	2+Ground	NO	250V	NO	E432N2N10011	121040-0491
H12	3+Ground	NO	250V	NO	E433N2N10021	121040-1258
H6		NO	250V	NO	E433N2N10061	121040-0730
H6/H12	2+Ground	C4	24V AC/DC	yellow	E492N2N10011C4H	121050-1466
H6/H12		C4	230V AC/DC	yellow	E492N2N10011C4M	121050-3479