INDUSTRIAL AUTOMATION > mPm° DIN VALVE CONNECTORS

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











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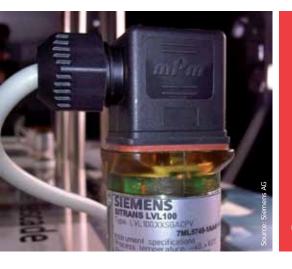


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The Molex range of field attachable DIN valve connectors provide unsurpassed sealing properties and increase performance, simplify manufacturing processes, reduce inventory and lower applied costs for hydraulic, pneumatic and electromagnetic devices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



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 miliohms max. Insulation Resistance: 100 Megohms min.

Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force: $2+GND \le 60N$

CERTIFICATION

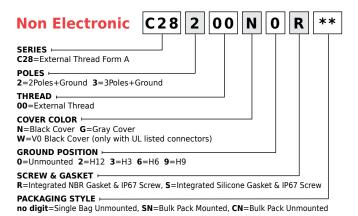
UL recognized *cURus* marked, file E218123 (product available upon request or specific part number)

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



2=2Poles+Ground
THREAD
00=External Thread
COVER COLOR

see page 33

N=Black Cover G=Gray Cover T=Transparent
CIRCUIT

VOLTAGE & LED COLOR ⊢ see page 33 GROUND POSITION ⊢

0=Unmounted **2**=H12 **3**=H3 **6**=H6 **9**=H9

SCREW & GASKET +

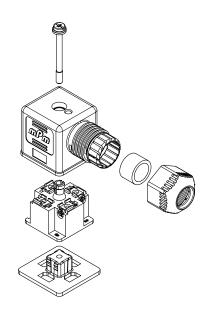
R=Integrated NBR Gasket & IP67 Screw, S=Integrated Silicone Gasket & IP67 Screw

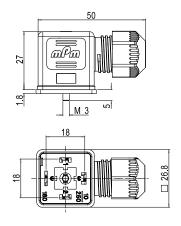
PACKAGING STYLE

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. 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

Packagi	ng 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	2+Ground	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	3+Ground	NO	250V AC/300V DC	NO	C28300N2RSN	121201-0038
Single Bag	Unmounted		C4	24V AC/DC	yellow	S28200TC4H0R	121207-0005
Bulk Pack	mounted	2+Ground	C4	24V AC/DC	yellow	S28200TC4H2RSN	121207-0368
Single Bag	Unmounted	2+Ground	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:

 $2+GND \le 60N$

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:

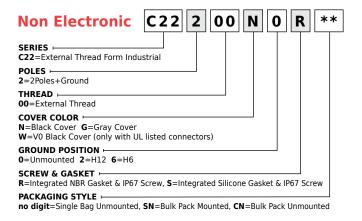
-40° +90°C Silicone Gasket: -40° +125°C

Cable Diameter Range: 4.00-9.00mm Live Contact Distance: 11.00mm

ENVIRONMENTAL

IP67 Sealing Protection

IP67



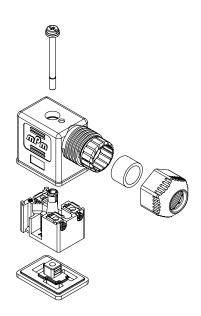
S22 2 00 T C4 2 0 R Electronic SERIES + **\$22**=External Thread Form Industrial POLES + 2=2Poles+Ground THREAD . 00=External Thread COVER COLOR N=Black Cover G=Gray Cover T=Transparent CIRCUIT + see page 33 VOLTAGE & LED COLOR + see page 33 GROUND POSITION **0**=Unmounted **2**=H12 **6**=H6 SCREW & GASKET + R=Integrated NBR Gasket & IP67 Screw, S=Integrated Silicone Gasket & IP67 Screw

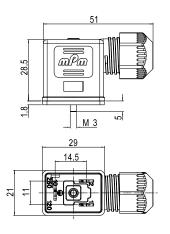
PACKAGING STYLE

no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

mPm® Field Attachable DIN Valve Connectors

121202 Form Industrial, Ext. Thread, Non-Electronic **121208** Form Industrial, 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

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted		NO	250V AC/300V DC	NO	C22200N0R	1212020001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C22200N2RSN	1212020012
Single Bag	Unmounted	2+Ground	C4	24V AC/DC	yellow	S22200TC4H0R	1212080080
Bulk Pack	Mounted	2+Ground	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: \leq 15milliohms max.

Insulation Resistance: 100Megohms min.

Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:

 $2+GND \le 60N$

CERTIFICATION

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

PHYSICAL

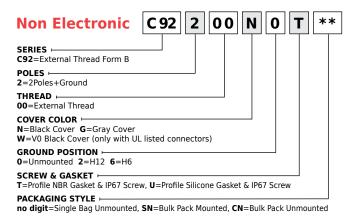
Durability: min. 50 cycles Contact Area: Silver Solder Tail Area: Silver Operating Temperature with: Nitrile Rubber (NBR) Gasket: -40° +90°C

Silicone Gasket: -40° +125°C Cable Diameter Range: 4.00-9.00mm Live Contact Distance: 10.00mm

ENVIRONMENTAL

IP67 Sealing Protection

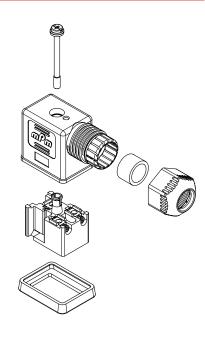
IP67

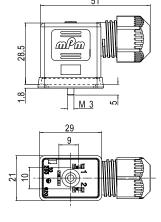


S 92 | 2 | 0 0 | T | C 4 | 2 | 0 | T **Electronic** SERIES + \$92=External Thread Form B POLES + 2=2Poles+Ground THREAD . 00=External Thread COVER COLOR N=Black Cover G=Gray Cover T=Transparent CIRCUIT see page 33 VOLTAGE & LED COLOR + see page 33 GROUND POSITION **0**=Unmounted **2**=H12 **6**=H6 SCREW & GASKET + T=Profile NBR Gasket & IP67 Screw, U=Profile Silicone Gasket & IP67 Screw PACKAGING STYLE + $\textbf{no digit} = \textbf{Single Bag Unmounted}, \ \textbf{SN} = \textbf{Bulk Pack Mounted}, \ \textbf{CN} = \textbf{Bulk Pack Unmounted}$

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

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted		NO	250V AC/300V DC	NO	C92200N0T	121203-0001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C92200N2TSN	121203-0009
Single Bag	Unmounted	2 . 6	C4	24V AC/DC	yellow	S92200TC4H0T	121209-0047
Bulk Pack	Mounted	2+Ground	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:

 $2+GND \le 60N$

CERTIFICATION

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

PHYSICAL

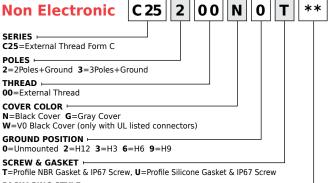
Durability: min. 50 cycles Contact Area: Silver Solder Tail Area: Silver Operating Temperature with: Nitrile Rubber (NBR) Gasket: -40° +90°C

Silicone Gasket: -40° +125°C Cable Diameter Range: 3.00-5.50mm Live Contact Distance: 8.00mm

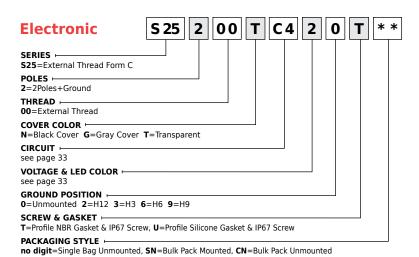
ENVIRONMENTAL

IP67 Sealing Protection

IP67

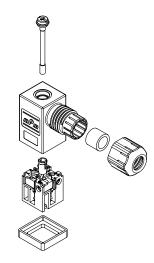


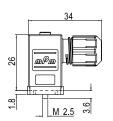
no digit=Single Bag Unmounted, SN=Bulk Pack Mounted, CN=Bulk Pack Unmounted

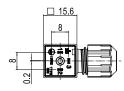


mPm® Field Attachable DIN Valve Connectors

121204 Form C, Ext. Thread, Non-Electronic **121210** Form C, 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. C28200W28SNSA

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

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted		NO	250V AC/300V DC	NO	C25200N0T	121204-0001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C25200N2TSN	121204-0010
Single Bag	Unmounted	2.0	C4	24V AC/DC	yellow	S25200TC4H0T	121210-0042
Bulk Pack	Mounted	2+Ground	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

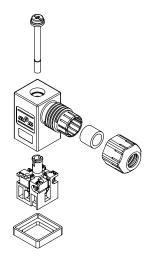
Silicone Gasket -40° to +125°C Cable Diameter Range: 3.00-5.50mm Live Contact Distance: 9.40mm

ENVIRONMENTAL

IP67 Sealing Protection

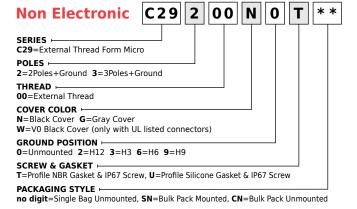
mPm® **Field Attachable DIN Valve Connectors**

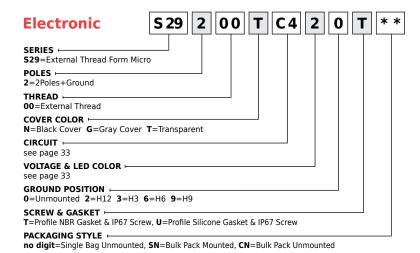
121205 Form Micro, Ext. Thread Non-Electronic 121211 Form Micro, Ext. Thread Electronic

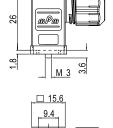












Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

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

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Single Bag	Unmounted		NO	250V AC/300V DC	NO	C29200N0T	121205-0001
Bulk Pack	Mounted		NO	250V AC/300V DC	NO	C29200N2TSN	121205-0012
Single Bag	Unmounted	2 . C	C4	24V AC/DC	yellow	S29200TC4H0T	121211-0042
Bulk Pack	Mounted	2+Ground	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: \leq 15milliohms max.

Insulation Resistance: 100Megohms min.

Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force: $2+GND \le 60N$

CERTIFICATION

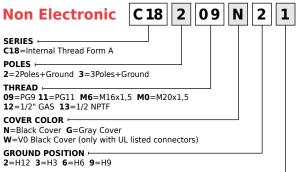
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PHYSICAL

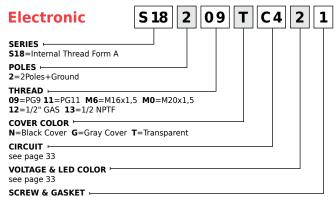
Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone -40° +125°C
Cable Diameter Range:
PG9-M16
PG11-G1/2"-M20
8.00-10.00mm
Live Contact Distance: 18.00mm

ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)



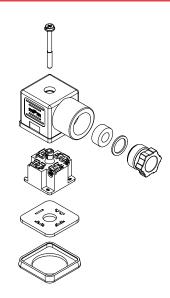
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

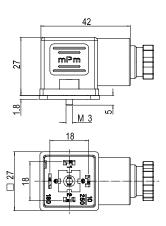


1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw 3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

mPm® Field Attachable DIN Valve Connectors

121023 Form A, Intern. Thread, Non-Electronic **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.
		2+Ground	NO	250V AC/300V DC	NO	C18209N21	121023-0238
		2+Ground	NO	250V AC/300V DC	NO	C18211N21	121023-0278
		3 L Cround	NO	250V AC/300V DC	NO	C18309N21	121023-0341
Bulk Pack	Mounted	3+Ground	NO	250V AC/300V DC	NO	C18311N21	121023-0377
BUIK PACK	Mounted		C4	24V AC/DC	yellow	S18209TC4H1	121064-0600
		2 . Casurad	C4	230V AC/DC	yellow	S18209TC4M1	121064-0603
		2+Ground	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: \leq 15milliohms max.

Insulation Resistance: 100Megohms min.

Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force: $2+GND \le 60N$

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)

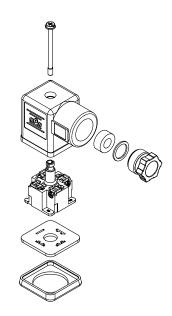
Non Electronic C81 2 09 N 2 1 SERIES C81=Internal Thread Form A High Space POLES C2=Poles+Ground 3=3Poles+Ground THREAD 09=PG9 11=PG11 M6=M16x1,5 M0=M20x1,5 12=1/2" GAS COVER COLOR N=DISTRICT COURT COU

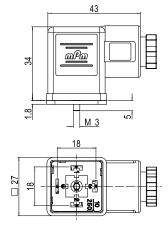
1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw

3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

mPm® Field Attachable DIN Valve Connectors

121023 Form A, Intern. Thread, High Space Non-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

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2+Ground	NO	250V AC/300V DC	NO	C81209N21	121023-0612	
Bulk Pack	Mounted	Z+Ground	NO	250V AC/300V DC	NO	C81211N21	121023-0620
BUIK PACK	Bulk Pack Mounted	2.1.6	NO	250V AC/300V DC	NO	C81309N21	121023-0629
	3+Ground	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:

 $2+GND \le 60N$

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

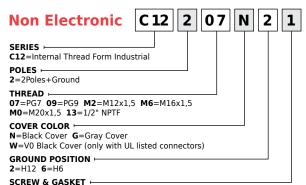
Silicone Gasket: -40° +125°C

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

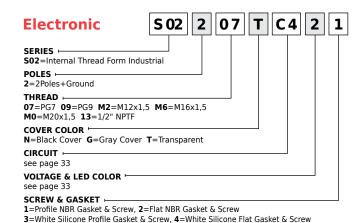
ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)



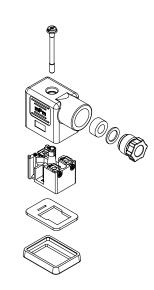
1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw

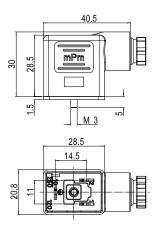
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw



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

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
		NO	250V AC/300V DC	NO	C12207N21	121023-0105	
Bulk Book	Dulle Deale Manustral	2 . 6	NO	250V AC/300V DC	NO	C12209N21	121023-0122
Bulk Pack Mounted	2+Ground	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: \leq 15milliohms max.

Insulation Resistance: 100Megohms min.

Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:

 $2+GND \le 60N$

CERTIFICATION

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

PHYSICAL

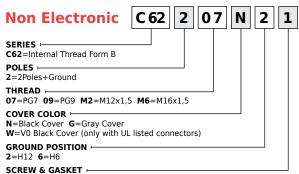
Durability: min. 50 cycles
Contact Area: Silver
Solder Tail Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C

Cable Diameter Range:

PG7-M12 4.00-6.00mm PG9-M16 6.00-8.00mm Live Contact Distance: 10.00mm

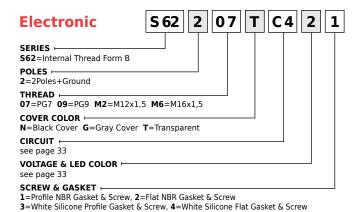
ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)



1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw

3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw



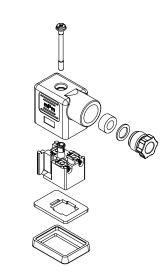
Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

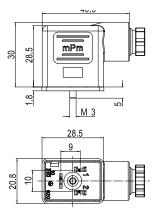
Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
		NO	250V AC/300V DC	NO	C62207N21	121023-0569	
Bully Dools		2 . 6	NO	250V AC/300V DC	NO	C62209N21	121023-0571
Bulk Pack Mounted	2+Ground	C4	24V AC/DC	yellow	S62209TC4H1	121064-1239	
			C4	230V AC/DC	yellow	S62209TC4M1	121064-1241

mPm® Field Attachable DIN Valve Connectors

121023 Form B, Intern. Thread, Non-Electronic **121064** Form B, Intern. Thread, Electronic







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.

100Megohms min.

MECHANICAL

Insertion and Withdrawal Force:

 $2+GND \le 60N$

CERTIFICATION

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

PHYSICAL

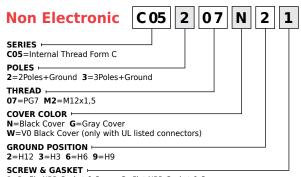
Durability: min. 50 cycles Contact Area: Silver -40° +90°C

Silicone Gasket: -40° +125°C

PG7-M12 4.00-6.00mm Live Contact Distance: 8.00mm

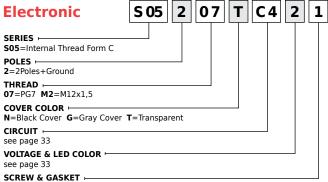
ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)



1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw

3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw



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

Insulation Resistance: Solder Tail Area: Silver Operating Temperature with: Max. Conductor: 0.75mm² / 18AWG Nitrile Rubber (NBR) Gasket:

Cable Diameter Range:

OOR

mPm®

DIN Valve

Non-Electronic

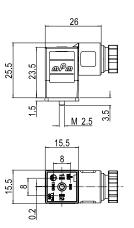
Electronic

Connectors

Field Attachable

121023 Form C, Intern. Thread,

121064 Form C, Intern. Thread,



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.
	2+Ground	NO	250V AC/300V DC	NO	C05207N21	121023-0083	
Bulk Pack	Mounted	3+Ground	NO	250V AC/300V DC	NO	C05307N21	121023-0684
Bulk Pack Mounted	2 . 6	C4	24V AC/DC	yellow	S05207TC4H1	121064-1253	
		2+Ground	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: \leq 15milliohms max.

Insulation Resistance: 100Megohms min.

Max. Conductor: 0.75mm² / 18AWG

MECHANICAL

Insertion and Withdrawal Force:

 $2+GND \le 60N$

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

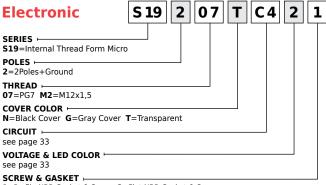
ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)

Non Electronic C 19 2 0 7 N 2 1 SERIES C19=Internal Thread Form Micro POLES 2=2Poles+Ground 3=3Poles+Ground THREAD 707=PG7 M2=M12×1,5 COVER COLOR N= 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

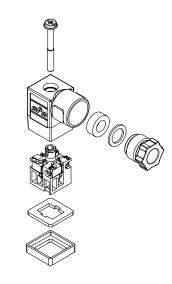
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

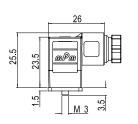


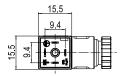
1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

mPm® Field Attachable DIN Valve Connectors

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

Packagi	ng Type	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2+Ground	NO	250V AC/300V DC	NO	C19207N21	121023-0433	
Bulle Doole		3+Ground	NO	250V AC/300V DC	NO	C19307N21	121023-0464
Bulk Pack Mounted	2.6	C4	24V AC/DC	yellow	S19207TC4H1	121064-0871	
		2+Ground	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

Specifications

ELECTRICAL

Max. Current: 16.0A

Contact Resistance: ≤15milliohms max.

Insulation Resistance: 100Megohms min.

Max. Conductor: 1.50mm² / 16AWG

MECHANICAL

Insertion and Withdrawal Force:

 $2+GND \le 60N$

CERTIFICATION

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

PHYSICAL

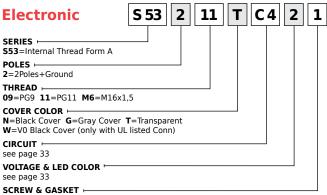
Durability: min. 50 cycles Contact Area: Silver Operating Temperature with: Nitrile Rubber (NBR) Gasket: -40° +90°C Silicone Gasket: -40° +125°C

Cable Diameter Range:

PG9-M12 6.00-8.00mm PG11 8.00-10.00mm Live Contact Distance: 18.00mm

ENVIRONMENTAL

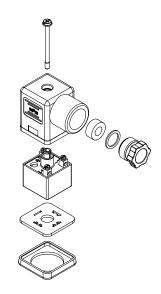
IP65 sealing protection (IP67 available on request)

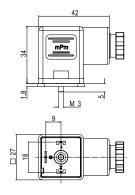


1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw

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.
	Dilly Dools Mountain 20 Gray		R0	24V AC	NO	S53209NR021	121064-0896
Bully Book		2 . 6	R0	230V AC	NO	S53209NR051	121064-0900
Bulk Pack Mounted	2+Ground	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: $2+GND \le 60N$

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

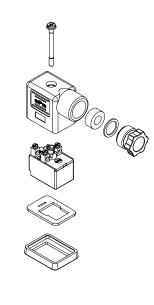
IP65 sealing protection (IP67 available on request)

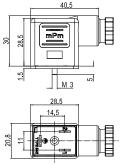
09||T||C4||2|| 2 **Electronic** SERIES + **\$54**=Internal Thread Form Industrial POLES + 2=2Poles+Ground THREAD **07**=PG7 **09**=PG9 **M2**=M12x1,5 **M6**=M16x1,5 COVER COLOR N=Black Cover G=Gray Cover T=Transparent W=V0 Black Cover (only with UL listed Conn) CIRCUIT + see page 33 **VOLTAGE & LED COLOR** + 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

mPm® Field Attachable DIN Valve Connectors

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.
			R0	24V AC	NO	S54209NR021	121064-1036
Dulle De ele		2.6	R0	230V AC	NO	S54209NR051	121064-1038
Bulk Pack Mounted	2+Ground	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: $2+GND \le 60N$

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

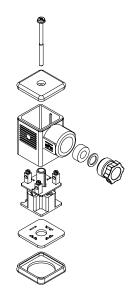
IP65 sealing protection (IP67 available on request)

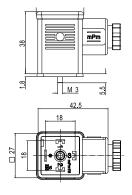
09||T||C4||2||1 **Electronic** SERIES + S11=Internal Thread Form A POLES -**2**=2Poles+Ground **3**=3Poles+Ground THREAD **09**=PG7 **11**=PG7 **M6**=M16x1,5 COVER COLOR + **N**=Black Cover **G**=Gray Cover **T**=Transparent **W**=V0 Black Cover (only with UL listed Conn) CIRCUIT + see page 33 **VOLTAGE & 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





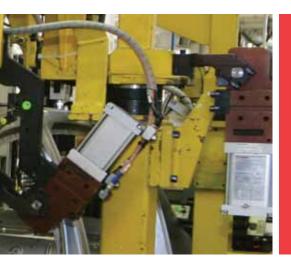
Note: UL listed part number identified by adding suffix SA at the end of the nomenclature in conjunction with UL material (W for black and T for transparent) e.g. C28200W2RSNSA

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.
	Dull Bards Mannada 2. Grand		R0	24V AC	NO	S11209NR021	121064-0248
Bully Book		2 . 6	R0	230V AC	NO	S11209NR051	121064-0250
Bulk Pack Mounted	2+Ground	R2	24V AC	yellow	S11209NR2H1	121064-1811	
		R2	230V AC	yellow	S11209NR2M1	121064-1692	



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

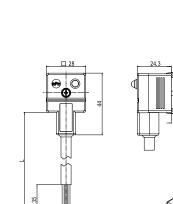
IP65 sealing protection (IP67 available on request)

A

Molded Cable DIN Valve Connectors

121040 Form A, Overmolded

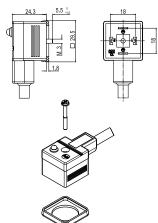
121050 Form A, Overmolded



mPm®

Non-Electronic

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

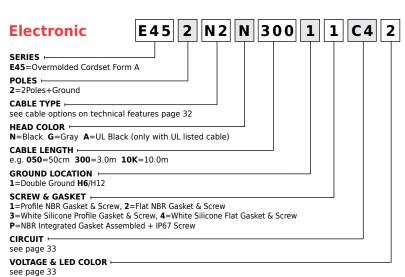
					sales representative to identify the proper EDP number to use in your purchase orders		
Ground Position	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.	
H6/H12	2+Ground	NO	250V	NO	E152N3N10011	121040-0140	
H12	3+Ground	NO	250V	NO	E153N3N10021	121040-0210	
H6	3+Ground	NO	250V	NO	E153N3N10061	121040-0212	
H6/H12	2 L Cround	C4	24V AC/DC	yellow	E452N3N10011C4H	121050-0554	
H6/H12	2+Ground	C4	230V AC/DC	yellow	E452N3N10011C4M	121050-1867	

Non Electronic E15 2 N2 N 300 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





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

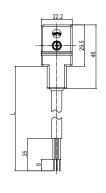
Durability: min. 50 cycles Contact Area: Silver Operating Temperature with: Nitrile Rubber (NBR) Gasket: -40° +90°C Silicone Gasket: -40° +125°C Live Contact Distance: 11.00mm

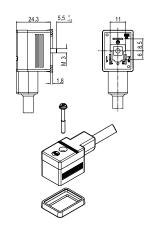
ENVIRONMENTAL

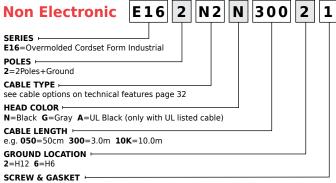
IP65 sealing protection (IP67 available on request)

mPm[®] Molded Cable DIN Valve Connectors

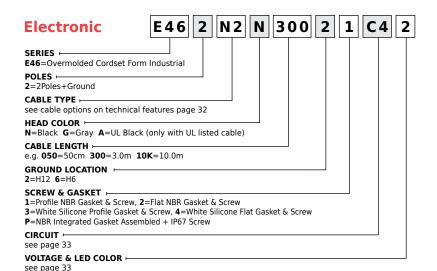
121040 Form Industrial, Overmolded, Non-Electronic **121050** Form Industrial, Overmolded, Electronic

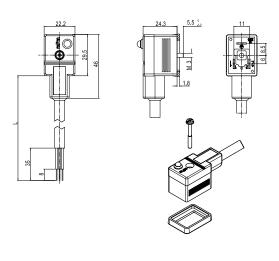






1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw
3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw
P=NBR Integrated Gasket Assembled + IP67 Screw





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		NO	250V	NO	E162N3N10021	121040-0295
H6]	NO	250V	NO	E162N3N10061	121040-0297
H12	2 . Cround	C4	24V AC/DC	yellow	E462N3N10021C4H	121050-1097
H6	2+Ground	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

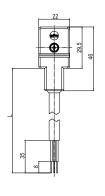
Live Contact Distance: 10.00mm

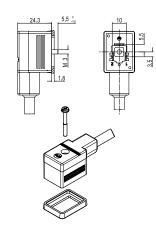
ENVIRONMENTAL

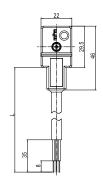
IP65 sealing protection (IP67 available on request)

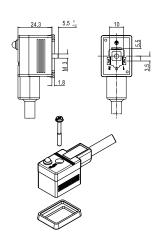
mPm® Molded Cable DIN Valve Connectors

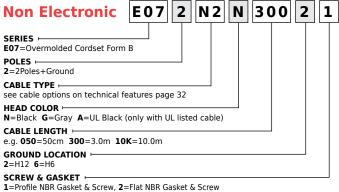
121040 Form B, Overmolded Non-Electronic 121050 Form B, Overmolded Electronic



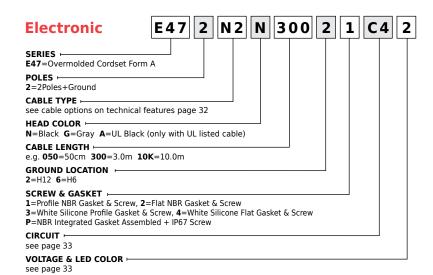








3=White Silicone Profile Gasket & Screw, 4=White Silicone Flat Gasket & Screw P=NBR Integrated Gasket Assembled + IP67 Screw



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		NO	250V	NO	E072N3N10021	121040-1254
H6		NO	250V	NO	E072N3N10061	121040-1401
H12	2 i Craund	C4	24V AC/DC	yellow	E472N3N10021C4H	121050-3475
H6	2+Ground	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: $2+GND \le 60N$

CERTIFICATION

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

PHYSICAL

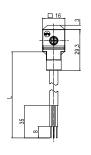
Durability: min. 50 cycles Contact Area: Silver Operating Temperature with: Nitrile Rubber (NBR) Gasket: -40° +90°C Silicone Gasket: -40° +125°C Live Contact Distance: 8.00mm

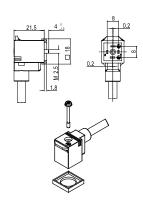
ENVIRONMENTAL

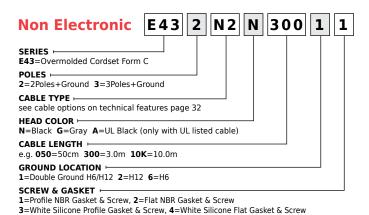
IP65 sealing protection (IP67 available on request)

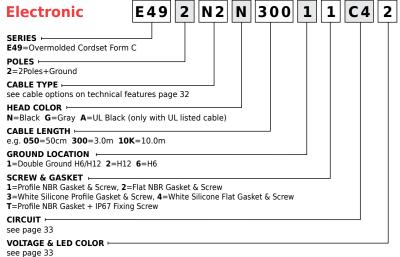
mPm[®] Molded Cable DIN Valve Connectors

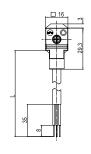
121040 Form C, Overmolded Non-Electronic **121050** Form C, Overmolded Electronic

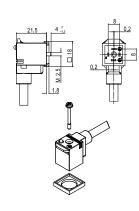












Note: UL listed part number identified by combining UL listed cable with UL overmolding material e.g. E152A3A30011

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	2 . Cround	NO	250V	NO	E433N2N10021	121040-1258
H6	3+Ground	NO	250V	NO	E433N2N10061	121040-0730
H6/H12	2 . Cround	C4	24V AC/DC	yellow	E492N2N10011C4H	121050-1466
H6/H12	2+Ground	C4	230V AC/DC	yellow	E492N2N10011C4M	121050-3479



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

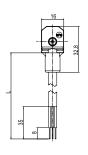
Durability: min. 50 cycles Contact Area: Silver Operating Temperature with: Nitrile Rubber (NBR) Gasket: -40° +90°C Silicone Gasket: -40° +125°C Live Contact Distance: 9.40mm

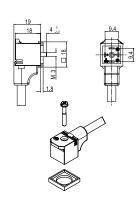
ENVIRONMENTAL

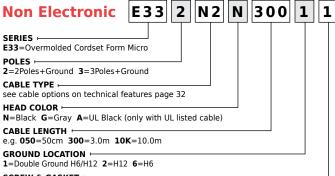
IP65 sealing protection (IP67 available on request)

mPm® **Molded Cable DIN** Valve Connectors

121040 Form Micro. Overmolded, Non-Electronic **121050** Form Micro, Overmolded, Electronic

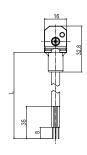


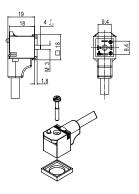




SCREW & GASKET +

1=Profile NBR Gasket & Screw, 2=Flat NBR Gasket & Screw ${f 3}=$ White Silicone Profile Gasket & Screw, ${f 4}=$ White Silicone Flat Gasket & Screw ${f T}=$ Profile NBR Gasket + IP67 Fixing Screw





Electronic	E39	2	N2N	300	1	1	C4	2	
SERIES - E39=Overmolded Cordset Form									
POLES ← 2=2Poles+Ground									
CABLE TYPE ⊢ see cable options on technical			_						
HEAD COLOR N=Black G=Gray A=UL Black (only with UL listed cable)									
CABLE LENGTH ← e.g. 050 =50cm 300 =3.0m 1									
GROUND LOCATION 1=Double Ground H6/H12 2=H									
SCREW & GASKET 1=Profile NBR Gasket & Screw, 2 3=White Silicone Profile Gasket T=Profile NBR Gasket + IP67 Fix	2=Flat NBR Ga & Screw, 4 =W	asket & S	crew		v	_			
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	Ground Position Poles		Voltage	LED Color	Engineering No.	Standard Order No.
H6/H12	2+Ground	NO	250V	NO	E332N2N10011	121040-0422
H12	3+Ground	NO	250V	NO	E333N2N10021	121040-1260
H6		NO	250V	NO	E333N2N10061	121040-1402
H6/H12	3 1 Cround	C4	24V AC/DC	yellow	E392N2N10011C4H	121050-0076
H6/H12	2+Ground	C4	230V AC/DC	yellow	E392N2N10011C4M	121050-3472



Specifications

ELECTRICAL

Current: max. 3.0 or 5.0A Contact Resistance: ≤15milliohms max. Insulation Resistance: 100Megohms min.

MECHANICAL

Electronic and

Insertion and Withdrawal Force: $2+GND \le 60N$

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:
Form A 18.00mm
Form Industrial 11.00mm

Form B 10.00mm Form C 8.00mm Form Micro 9.40mm

LABEL

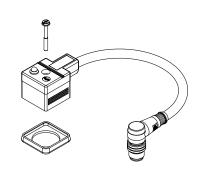
Overmolded, Electronic

Molded Cable DIN Valve Connectors

121035 DIN Valve to Brad® M12, Overmolded, Non-Electronic **121036** DIN Valve to Brad® M12,

mPm®

This technical data is referred on the DIN connector head, for Brad® connector data please refer to the proper catalogue



E 8 5 0 B 0 P12 M 100 **Non Electronic** DIN BODY STYLE **D**=Form B 10.00mm (2P+Ground) **E**=Form A 18.00mm (2P+Double Ground) F=Form Ind. 11.00mm (2P+Ground) **G**=Form Micro 9.40mm (2P+Double Ground) H=Form C 8.0mm (2P+Double Ground) SECOND END OF CABLE 1=Mini-Change Connector 4=Nano-Change M8 Connector 8=Micro-Change M12 Connector NUMBER OF POLES -3=3 Poles For Mini-Change 5=5 Poles for Micro-Change M12 WIRING + 0=Default Standard Wiring CIRCUIT. VOLTAGE & LED COLOR A= Circuit S0 24V and Yellow LED B= Circuit C4 24V and Yellow LED C= Circuit S0 110v and Yellow LED **D**= Circuit C4 110v and Yellow LED 0= No Circuit SECOND HEAD BODY STYLE + **0**= Micro-Change M12 Male Straight Ground on DIN Head DIN H6 (H6/12 for cordset with Double Ground) Micro-Change M12 Male Straight Ground on DIN Head DIN H12 (not for Double Ground DIN) Micro-Change M12 Male 90° Ground on DIN Head DIN H6 (H6/12 for cordset with Double Ground) Micro-Change M12 Male 90°

Ground on DIN Head DIN H12 (not for Double Ground DIN)

Ground on DIN Head DIN H12 (not for Double Ground DIN)

Ground on DIN Head DIN H12 (not for Double Ground DIN)

Ground on DIN Head DIN H6 (H6/12 for cordset with Double Ground)

Ground on DIN Head DIN H6 (H6/12 for cordset with Double Ground)

4= Mini-Change Male Straight

5= Mini-Change Male Straight

CABLE UNIT OF MEASURE

B08=Yellow PUR 18 AWG
CABLE UNIT OF MEASURE +

e.g. **003**=0.3m **010**=1m **100**=10m

0.75mm

0.50mm²

0.50mm

6= Mini-Change Male 90°

7= Mini-Change Male 90°

A23=Black PVC

E12=Black PVC

P12=Black PUR

CABLE LENGTH

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.
Check Sales Drawing on www.molex.com		C4	24V AC/DC	yellow	D850B0P12M010	121036-0825
	2+Ground				E850B0P12M010	121036-0193
					F850B0P12M010	121036-0255
					G850B0P12M010	121036-0277
					H850B0P12M010	121036-0296



Specifications

ELECTRICAL

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

MECHANICAL

VOLTAGE & LED COLOR see page No. 33

Insertion and Withdrawal Force: $2+GND \le 60N$

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:

Form A 18.00mm Form Industrial 11.00mm Form B 10.00mm

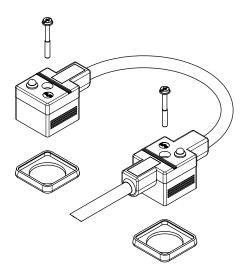
ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)

Electronic and E6 5 2 N2 N A 26 1 1 C4 1 **Non Electronic** SERIES + E6=Overmolded Dual DIN Cordset SERIES **5**=Form A **6**=Form Industrial **7**=Form B NUMBER OF POLES + **2**=2 Poles + No GND connected **3**=2 Poles + GND connected A=M12 Straight B=M12 90° CABLE see cable options on technical features page 32 HEAD COLOR N=Black G=Gray A=UL Black (only with UL listed cable) DISTANCE BETWEEN THE HEADS + e.g. **26**=26cm (min distance between 2 heads 13cm) 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=Integrated NBR Gasket Assembled + IP67 Fixing Screw CIRCUIT , see page No. 33

mPm[®] Molded Cable DIN Valve Connectors

121055 DUAL DIN Valve, Overmolded, Non-Electronic or Electronic



This technical data is referred on the DIN connector head, for Brad® connector data please refer to the proper catalogue

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

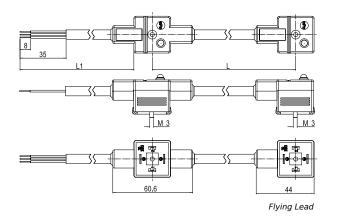
Ground Position	Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
Check Sales Drawing on	2+Ground	C4	24V AC/DC	yellow	E653P3NA1311C4H	121055-0161
	connected		230V AC/DC		E653P3NA1311C4M	121055-0292
	2+Ground not connected		24V AC/DC		E662P3NA1361C4H	121055-0293
www.molex.com			230V AC/DC		E662P3NA1361C4M	121055-0294
			24V AC/DC		E672P3NA1361C4H	121055-0295
			230V AC/DC		E672P3NA1361C4M	121055-0296



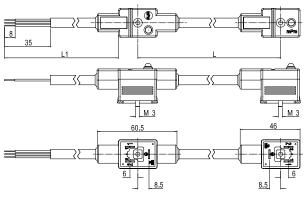
mPm® Molded Cable DIN Valve Connectors

121055 DUAL DIN Valve, Overmolded, Non-Electronic or Electronic

E65 Dual DIN Form A

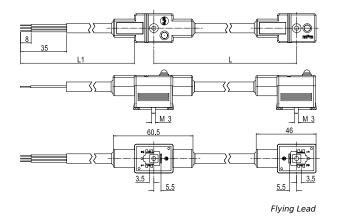


E66 Dual DIN Form Industrial

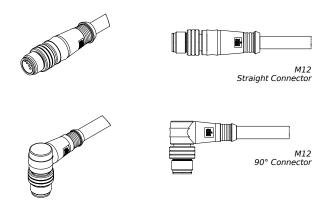


Flying Lead

E67 Dual DIN Form B



Brad® Micro-Change M12





Specifications

ELECTRICAL

Current: max. 3.0A or 5.0A Contact Resistance: ≤15milliohms max. Insulation Resistance: 100Megohms min.

MECHANICAL

Insertion and Withdrawal Force: $2+GND \le 60N$

ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)

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:

Form A 18mm
Form Industrial 11mm
Form B 10mm
Form C 8mm
Form Micro 9.4mm

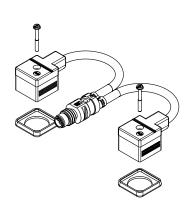
ABEL S2

Molded Cable DIN Valve Connectors

Overmolded, Electronic

121035 DIN Valve to Brad® ILS, Overmolded, Non-Electronic **121036** DIN Valve to Brad® ILS,

mPm®



This technical data is referred on the DIN connector head, for Brad® connector data please refer to the proper catalogue

Electronic and E 8 5 A B 0 P12 M 100 **Non Electronic** DIN BODY STYLE **D**=Form B 10.00mm (2P+Ground) E=Form A 18.00mm (2P+Double Ground) F=Form Ind. 11.00mm (2P+Ground) **G**=Form Micro 9.40mm (2P+Double Ground) H=Form C 8.0mm (2P+Double Ground) SECOND END OF CABLE 8=Micro-Change M12 Connector NUMBER OF POLES 5=5 Poles for Micro-Change M12 WIRING + A=In-Line Splitter CIRCUIT, VOLTAGE & LED COLOR -Δ=Circuit S0 24V and Yellow LFD. **B**=Circuit C4 24V and Yellow LED **C**=Circuit S0 110v and Yellow LED **D**=Circuit C4 110v and Yellow LED 0=No Circuit SECOND HEAD BODY STYLE 0= Micro-Change M12 Male Straight Ground on DIN Head DIN H6 (H6/12 for cordset with Double Ground) 1= Micro-Change M12 Male Straight Ground on DIN Head DIN H12 (not for Double Ground DIN) CABLE UNIT OF MEASURE A23=Black PVC E12=Black PVC 0.50mm² P12=Black PUR 0.50mm² B08=Yellow PUR 18 AWG CABLE UNIT OF MEASURE +

CABLE LENGTH ← e.g. **003**=0.3m **010**=1m **100**=10m

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.
		C4		yellow	D85AB0P12M010	121036-0925
	2+Ground		24V AC/DC		E85AB0P12M010	121036-0577
See drawing					F85AB0P12M010	121036-0378
					G85AB0P12M010	121036-0926
					H85AB0P12M010	121036-0927



Specifications

ELECTRICAL

Current: max. 3.0A or 5.0A Contact Resistance: ≤15milliohms max. Insulation Resistance: 100Megohms min.

MECHANICAL

Insertion and Withdrawal Force: $2+GND \le 60N$

ENVIRONMENTAL

IP65 sealing protection (IP67 available on request)

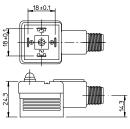
PHYSICAL

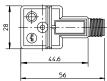
Durability: min. 50 cycles
Contact Area: Silver
Operating Temperature with:
Nitrile Rubber (NBR) Gasket:
-40° +90°C
Silicone Gasket: -40° +125°C
Live Contact Distance:

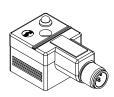
Form A 18mm
Form Industrial 11mm
Form B 10mm
Form C 8mm
Form Micro 9.4mm

mPm® DIN Valve Connectors with Molded M8/M12

121037 DIN Valve to Brad® M8/M12 Overmolded Adaptor, Electronic / Non-Electronic







This technical data is referred on the DIN connector head, for Brad connector data please refer to the proper catalogue

Electronic and E 8 5 0 B 0 **Non Electronic** DIN BODY STYLE **D**=Form B 10.00mm (2P+Ground) **E**=Form A 18.00mm (2P+Double Ground) F=Form Ind. 11.00mm (2P+Ground) **G**=Form Micro 9.40mm (2P+Double Ground) H=Form C 8.0mm (2P+Double Ground) BRAD® M8/M12 EXIT 5=Nano-Change M8 Connector 8=Micro-Change M12 Connector NUMBER OF POLES **3**=3 Poles For Mini-Change **5**=5 Poles for Micro-Change M12 WIRING + 0=Default Standard Wiring CIRCUIT, VOLTAGE & LED COLOR **A**=Circuit S0 24V and Yellow LED **B**=Circuit C4 24V and Yellow LED **C**=Circuit S0 110v and Yellow LED **D**=Circuit C4 110v and Yellow LED 0=No Circuit HEAD BODY STYLE 0=Brad® M8 / M12 Male Straight

Ground on DIN Head DIN H6 (H6/12 for cordset with Double Ground)

1=Brad® M8 / M12 Male Straight
Ground on DIN Head DIN H12 (not for Double Ground DIN)

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.
See drawing	2+Ground	C4	24V AC/DC	yellow	E850B0	121037-0035
					F850B0	121037-0058
					G850B0	121037-0068
					H850B0	121037-0075



Several cable options available, custom cable available upon request.

mPm® Molded Cable DIN Valve Connectors

Cable Options

Cable Types

Cable Type	Code	Features		
Harmonized PVC	N	Cable used for general purpose, has a good resistance to water but usually poor against chemical oils.		
PVC CEI 2022 II	I	Approved to iec332-2a, it is flame retardant and self estinguish, limited resistance against mineral oils.		
PUR Blend	Р	This cable offers a good resistance against chemicals and oils. Can swell when constantly immersed in water.		
PVC UL 2661 A Approved UL2661, application for general purpose. This cable has a good resis usually poor oil resistance.		Approved UL2661, application for general purpose. This cable has a good resistance to water but usually poor oil resistance.		
PUR UL 20668	PUR UL 20668 B Approved UL20668, cable with very good resistance against oils and chemicals.			

Technical Features

Cable	Strand /	T	External Diam. (mm)		Temp. Range (static)		Bending Radius (mm)	
Code	Cross	Туре	nominal	tolerance	min (°C)	max (°C)	static	dinamic
12	2x0.50mm²	PVC CEI 2022 II	5,50	+0,4/-0,0	-25	+70	>10xD	>15xD
12	3x0.50mm ²	PVC CEI 2022 II	5,50	+0,4/-0,0	-25	+70	>10xD	>15xD
12	4x0.50mm²	PVC CEI 2022 II	6,50	±0,3	-25	+70	>10xD	>15xD
P 2	2x0.50mm ²	PUR BLEND	5,50	±0,3	-40	+90	>7,5xD	>12,5xD
P 2	3x0.50mm ²	PUR BLEND	5,50	+0,5/-0,0	-40	+90	>7,5xD	>12,5xD
P 2	4x0.50mm ²	PUR BLEND	6,50	±0,3	-40	+90	>7,5xD	>12,5xD
A 2	2x20 AWG	PVC UL 2661	5,40	±0,3	-30	+105	>10xD	>15xD
A 2	3x20 AWG	PVC UL 2661	5,60	±0,3	-30	+105	>10xD	>15xD
A 2	4x20 AWG	PVC UL 2661	6,20	±0,35	-30	+105	>10xD	>15xD
B 2	2x20 AWG	PUR UL 20668	5,60	±0,3	-40	+90	>5xD	>10xD
B 2	3x20 AWG	PUR UL 20668	5,60	±0,3	-40	+90	>5xD	>10xD
B 2	4x20 AWG	PUR UL 20668	6,30	±0,3	-40	+90	>5xD	>10xD
N 2	2x0.50mm²	HARMONIZED PVC H03	5,20	±0,3	-20	+70	>3xD	NA
N 2	3x0.50mm ²	HARMONIZED PVC H03	5,50	±0,3	-20	+70	>3xD	NA
N 2	4x0.50mm ²	HARMONIZED PVC H03	5,90	±0,4	-20	+70	>3xD	NA
13	2x0.75mm²	PVC CEI 2022 II	5,50	±0,3	-25	+70	>10xD	>15xD
Ι3	3x0.75mm²	PVC CEI 2022 II	6.00	±0,3	-25	+70	>10xD	>15xD
Ι3	4x0.75mm²	PVC CEI 2022 II	7.00	±0,3	-25	+70	>10xD	>15xD
Р3	2x0.75mm²	PUR BLEND	6,50	±0,3	-40	+90	>7,5xD	>12,5xD
Р3	3x0.75mm²	PUR BLEND	6,50	±0,3	-40	+90	>7,5xD	>12,5xD
Р3	4x0.75mm²	PUR BLEND	7.00	±0,3	-40	+90	>7,5xD	>12,5xD
A 3	2x18 AWG	PVC UL 2661	6,20	±0,35	-30	+105	>10xD	>15xD
A 3	3x18 AWG	PVC UL 2661	6,50	±0,35	-30	+105	>10xD	>15xD
A 3	4x18 AWG	PVC UL 2661	7.00	+0,4/-0,0	-30	+105	>10xD	>15xD
В 3	2x18 AWG	PUR UL 20668	6,20	±0,3	-40	+90	>5xD	>10xD
В 3	3x18 AWG	PUR UL 20668	6,50	±0,3	-40	+90	>5xD	>10xD
В 3	4x18 AWG	PUR UL 20668	7.00	±0,3	-40	+90	>5xD	>10xD
N 3	2x0.75mm²	HARMONIZED PVC H05	6,20	±0,3	-20	+70	>9xD	NA
N 3	3x0.75mm²	HARMONIZED PVC H05	6,50	±0,3	-20	+70	>9xD	NA
N 3	4x0.75mm²	HARMONIZED PVC H05	7,10	±0,4	-20	+70	>9xD	NA
14	2x1mm²	PVC CEI 2022 II	7,10	±0,3	-25	+70	>10xD	>15xD
14	3x1mm²	PVC CEI 2022 II	7,10	+0,4/-0,0	-25	+70	>10xD	>15xD
N 4	2x1mm²	HARMONIZED PVC H05	6,50	±0,3	-20	+70	>9xD	NA
N 4	3x1mm²	HARMONIZED PVC H05	6,90	±0,3	-20	+70	>9xD	NA
32							W	ww.molex.com

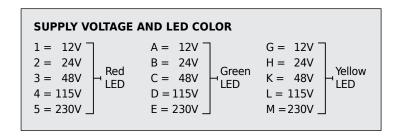


Our circuit range provides LED indication or suppressor circuitry for surge protection.

Many other circuit configurations are available upon request; contact your local sales representative to identify the proper EDP number to use in your purchase orders.

mPm[®] DIN Valve Connectors

Circuit Options



Input	Circuit Schematic	Load	Circuit Description	Available on Product Type
V AC/DC		**************************************	CIRCUIT A1 With bipolar LED, provides a luminous signal when power is applied.	Connectors Series S, Series E (only with Electronic) and Series A
V DC		*1 	CIRCUIT C3 With LED and diode to protect against peak of overvoltage when switching off.	Connectors Series S, Series E (only with Electronic) and Series A
V AC/DC		**************************************	CIRCUIT C4 With bipolar LED and VDR to protect supply and switch against peak of overvoltage.	Connectors Series S, Series E (only with Electronic) and Series A
V AC/DC		*1	CIRCUIT D0 With VDR to protect supply and switch from peak of overvoltage.	Connectors Series S, Series E (only with Electronic)
V DC	+0	*1 **	CIRCUIT E0 With diode to protect against peak of overvoltage when switching off.	Connectors Series S, Series E (only with Electronic)
V AC/DC		**************************************	CIRCUIT SO With transient suppressor (transil) to provide blocking of input and output overvoltage. a bipolar LED provide a visual information when power is applied.	Connectors Series S, Series E (only with Electronic) and Series A
V AC/DC		**************************************	CIRCUIT S1 With transient suppressor (transil) to provide blocking of input and output overvoltage.	Connectors Series S, Series E (only with Electronic)
V AC	***************************************		CIRCUIT R0 Full wave bridge rectifier with VDR to protect against overvoltage.	Connectors Series S53/54/11, Series E451 (only with Electronic)
V AC		***************************************	Full wave bridge rectifier with VDR to protect against overvoltage and LED to confirmthe presence of the rectified DC voltage.	Connectors Series S53/54/11, Series E451 (only with Electronic)



mPm® DIN valve bases follow industry standards and are used where rapid installation and service are required. Bases are used as protective enclosures for electrical connection in conjunction with hydraulic and pneumatic solenoid valves as well as sensors.



mPm[®] DIN Bases

Conform to EN 175301-803 (ex DIN 43650)

The bases range is used extensively together with Molex mPm connectors to provide electrical connections in a wide range of applications. The most common application for mPm bases is in conjunction with hydraulic, pneumatic or electromagnetic devices. Other applications include, for example, pressure transducers, proximity switches, level sensors, limit switches, thermostats and low energy motors.





DIN Bases are provided in kit with fixing screw and gasket where required. The range covers the most important and common applications

mPm[®] DIN Bases

121012 Form A **121012** Industrial **121012** Form C **121012** Form Micro

Specifications

ELECTRICAL

See following pages for details

CERTIFICATION

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

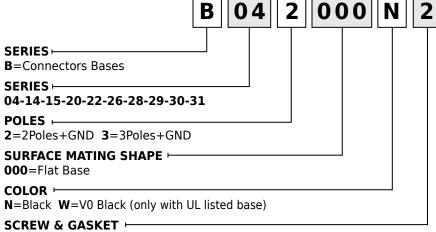
PHYSICAL

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

Live Contact Distance:

Form A 18.00mm
Form Industrial 11.00mm
Form C 8.00mm
Form Micro 9.40mm



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. B142000W2SA

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

2=NBR Flat Gasket and Fixing Screw



DIN Bases are provided in kit with fixing screw and gasket where required. The range covers the most important and common applications.

mPm® DIN Bases

121012 Form A **121012** Industrial **121012** Form C **121012** Form Micro

Code	B202000N2	B203000N2
Standard Order No.	121012-0013	121012-0019
Nominal Voltage	250V AC/300V DC	
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	1.00mm²	
Mate with	Form A 2 Poles	Form A 3 Poles

Base with external fixing screw for assembly on flat surface. This base allow to solder wire in front or back of the base.

Code	B262000N2	B263000N2
Standard Order No.	121012-0071	121012-0076
Nominal Voltage	250V AC	/300V DC
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	1.00mm²	
Mate with	Form A 2 Poles	Form A 3 Poles

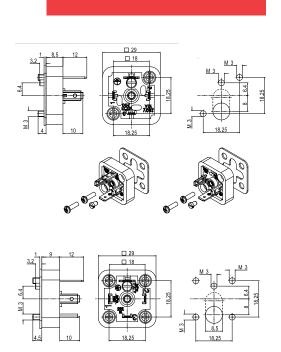
Base with external fixing screw for assembly on flat surface.

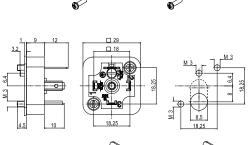
B282000N2	B283000N2
121012-0095	121012-0099
250V AC/300V DC	
2 + Ground	3 + Ground
1.00mm²	
Form A 2 Poles	Form A 3 Poles
	121012-0095 250V AC, 2 + Ground 1.00

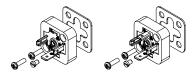
Base with external fixing screw for assembly on flat surface.

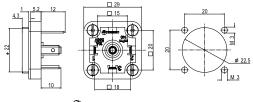
Code	B142000N2	B143000N2
Standard Order No.	121012-0006	121012-0007
Code	B042000N2	B043000N2
Standard Order No.	121012-0001	121012-0003
Nominal Voltage	250V AC/300V DC	
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	1.00mm²	
Mate with	Form A 2 Poles	Form A 3 Poles

Base with external fixing screw for assembly on flat surface with hole max. Diam. 22,5mm.















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DIN Bases are provided in kit with fixing screw and gasket where required. The range covers the most important and common applications.

mPm® DIN Bases

121012 Form A **121012** Industrial **121012** Form C **121012** Form Micro

Code	B302000N0	B303000N0
Standard Order No.	121012-0112	121012-0114
Nominal Voltage	250V AC	/300V DC
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	1.00mm²	
Mate with	Form A 2 Poles	Form A 3 Poles

Base can be molded directly with the coil or assembled into the application.

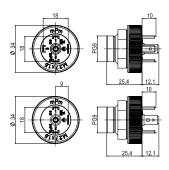
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© 27	12.1 9





Code	B312P09N0	B313P09N0
Standard Order No.	121012-0117	121012-0121
Nominal Voltage	250V AC/300V DC	
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	1.00mm²	
Mate with	Form A 2 Poles	Form A 3 Poles
	*	

Base allowed to assembled using a PG 9 thread.







Code	B312P11N0	B313P11N0
Standard Order No.	121012-0118	121012-0122
Nominal Voltage	250V AC	/300V DC
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	1.00mm²	
Mate with	Form A 2 Poles	Form A 3 Poles

Base allowed to assembled using a PG 11 thread.

	18 Pro-	PG11	10
18 18		25.4	12.1





Code	B312M27N0	B313M27N0
Standard Order No.	121012-0116	121012-0120
Nominal Voltage	250V AC/	/300V DC
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	1.00mm²	
Mate with	Form A 2 Poles	Form A 3 Poles

Base allowed to assembled using a lock fixing nut M27 thread.















DIN Bases are provided in kit with fixing screw and gasket where required. The range covers the most important and common applications.

mPm® DIN Bases

121012 Form A **121012** Industrial **121012** Form C **121012** Form Micro

Code	B222000N2
Standard Order No.	121012-0047
Nominal Voltage	250V AC/300V DC
Poles	2 + Ground
Max. Wire Sect.	1.00mm ²
Mate with	Form Industrial 2 Poles

Base with central fixing screw to assemble on flat surface.

Code	B152000N2	B153000N2
Standard Order No.	121012-0009	121012-0010
Nominal Voltage	250V AC/300V DC	
Poles	2 + Ground	3 + Ground
Max. Wire Sect.	0,75mm ²	0,75mm ²

Base with external fixing screw for assembly on flat surface.

Mate with

Form C 2 Poles

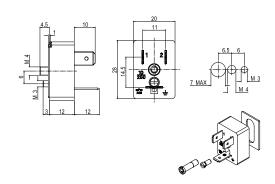
Form C 3 Poles

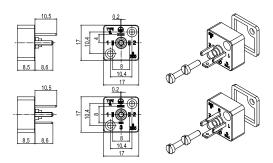
Code	B292000N2	B392000N0	
Standard Order No.	121012-0102	121012-0126	
Nominal Voltage	250V AC/300V DC		
Poles	2 + Ground	2 + Ground	
Max. Wire Sect.	0,75mm ²	0,75mm ²	
Mate with	Form Micro 2 Poles	Form Micro 2 Poles	

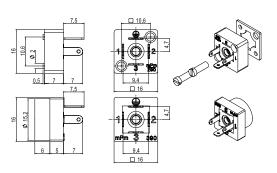
B292 base with external fixing screw for assembly on flat surface. B392 for assembly on surface with hole Diam. 15mm

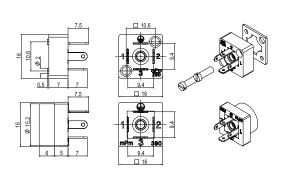
Code	B293000N2	B393000N0	
Standard Order No.	121012-0107	121012-0127	
Nominal Voltage	250V AC/300V DC		
Poles	3 + Ground	3 + Ground	
Max. Wire Sect.	0,75mm²	0,75mm ²	
Mate with	Form Micro 3 Poles	Form Micro 3 Poles	

B293 base with external fixing screw for assembly on flat surface. B393 for assembly on surface with hole Diam. 15mm.

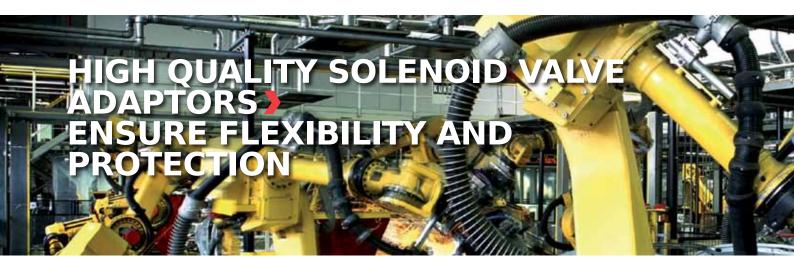








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The mPm® DIN valve adaptors are developed in compliance with current standards and specifications to guarantee a high level of performance, reliability and availability. Adaptors provide easier assembly and mounting at lower applied costs.



mPm[®] DIN Adaptors

Conform to EN 175301-803 (ex DIN 43650)

The adaptors with protective circuit are wafer interfaces which fit between the solenoid and the power connector. Thus providing the opportunity to upgrade with protection and indicator facilities with a minimum assembly time whilst retaining the existing component.



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DIN Adaptors with protective circuit. The range covers the most important and common applications.

mPm[®] DIN Adaptors

121001 Form A **121001** Industrial **121001** Form B **121001** Form Micro

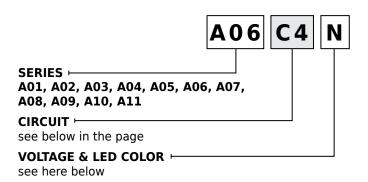
Specifications

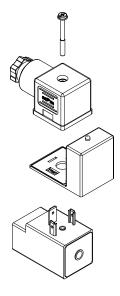
ELECTRICALSee following pages

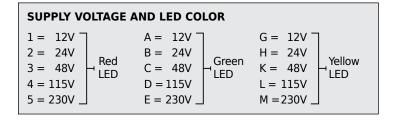
PHYSICAL

Durability: min. 50 cycles Live Contact Distance:

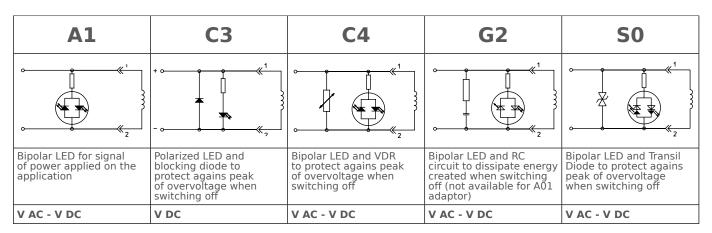
Form A 18.00mm
Form Industrial 11.00mm
Form B 10.00mm
Form Micro 9.40mm







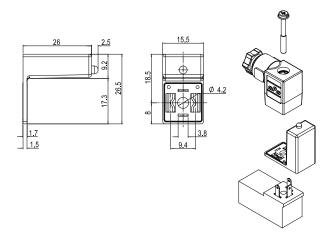
Build your connector using the intelligent part number system and contact your local sales representative to identify the proper EDP number to use in your purchase orders





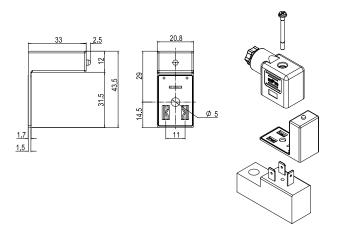
mPm® DIN Adaptors

121001 Form A **121001** Industrial **121001** Form B **121001** Form Micro



Light Adaptor A01 Series for Form Micro DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2 C4	24V AC/DC	yellow	A01C4H	121001-0024
2		115V AC/DC	yellow	A01C4L	121001-0025
		230V AC/DC	yellow	A01C4M	121001-0406



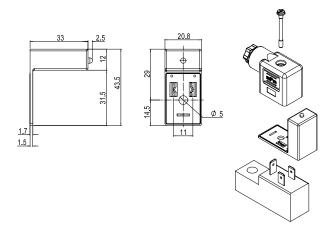
Light Adaptor A02 Series for Form Industrial DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2 C4	24V AC/DC	yellow	A02C4H	121001-0056
2		115V AC/DC	yellow	A02C4L	121001-0057
		230V AC/DC	yellow	A02C4M	121001-0058



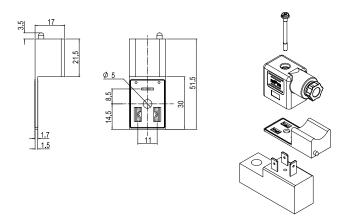
mPm[®] DIN Adaptors

121001 Form A 121001 Industrial 121001 Form B 121001 Form Micro



Light Adaptor A03 Series for Form Industrial DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2 C4	24V AC/DC	yellow	A03C4H	121001-0098
2		115V AC/DC	yellow	A03C4L	121001-0099
		230V AC/DC	yellow	A03C4M	121001-0100



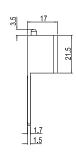
Light Adaptor A04 Series for Form Industrial DIN Connectors

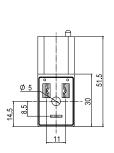
Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2 C4	24V AC/DC	yellow	A04C4H	121001-0136
2		115V AC/DC	yellow	A04C4L	121001-0137
		230V AC/DC	yellow	A04C4M	121001-0138

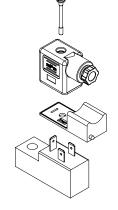


mPm® DIN Adaptors

121001 Form A 121001 Industrial 121001 Form B 121001 Form Micro

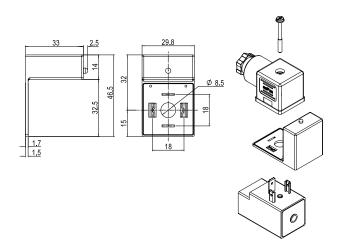






Light Adaptor A05 Series for Form Industrial DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	C4	24V AC/DC	yellow	A05C4H	121001-0172
2		115V AC/DC	yellow	A05C4L	121001-0438
		230V AC/DC	yellow	A05C4M	121001-0174



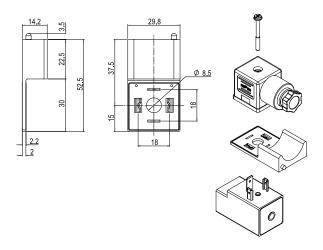
Light Adaptor A06 Series for Form A DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2 C4	24V AC/DC	yellow	A06C4H	121001-0219
2		115V AC/DC	yellow	A06C4L	121001-0220
		230V AC/DC	yellow	A06C4M	121001-0221



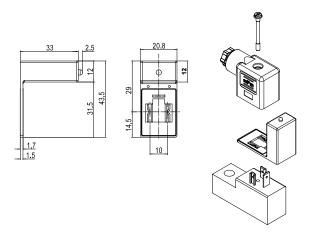
mPm[®] DIN Adaptors

121001 Form A 121001 Industrial 121001 Form B 121001 Form Micro



Light Adaptor A07 Series for Form A DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	C4	24V AC/DC	yellow	A07C4H	121001-0262
2		115V AC/DC	yellow	A07C4L	121001-0263
	230V AC/DC	yellow	A07C4M	121001-0264	



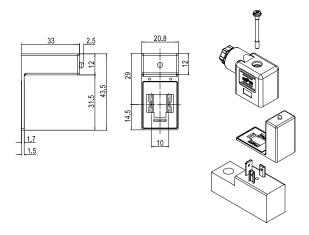
Light Adaptor A08 Series for Form B DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	C4	24V AC/DC	yellow	A08C4H	121001-0292
2		115V AC/DC	yellow	A08C4L	121001-0439
		230V AC/DC	yellow	A08C4M	121001-0294



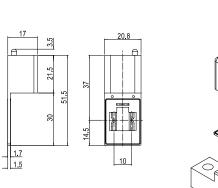
mPm® DIN Adaptors

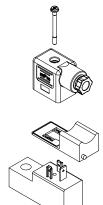
121001 Form A **121001** Industrial **121001** Form B **121001** Form Micro



Light Adaptor A09 Series for Form B DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	C4	24V AC/DC	yellow	A09C4H	121001-0440
2		115V AC/DC	yellow	A09C4L	121001-0441
	230V AC/DC	yellow	A09C4M	121001-0327	





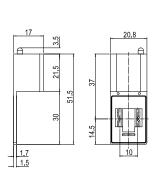
Light Adaptor A10 Series for Form B DIN Connectors

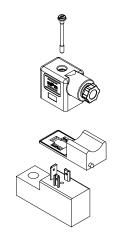
Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
	2 C4	24V AC/DC	yellow	A10C4H	121001-0353
2		115V AC/DC	yellow	A10C4L	121001-0442
		230V AC/DC	yellow	A10C4M	121001-0443



mPm[®] DIN Adaptors

121001 Form A **121001** Industrial **121001** Form B **121001** Form Micro





Light Adaptor A11 Series for Form B DIN Connectors

Poles	Circuit	Voltage	LED Color	Engineering No.	Standard Order No.
2	C4	24V AC/DC	yellow	A11C4H	121001-0354
		115V AC/DC	yellow	A11C4L	121001-0444
		230V AC/DC	yellow	A11C4M	121001-0445



Gasket and screws, bagged spare parts for DIN valve connectors. Spare parts are developed specifically for and can be used only with mPm DIN valve connectors.

mPm[®] DIN Spare Parts

121129 DIN Valve Connector Spare Parts

	Gasket Type	For Connectors	Material	Standard Order No.	Packaging Style
	Non loosing	Form A with retention feature	NBR	121129-0334	1 Unit = 1 Bag with 100pcs
	Non loosing	retention reactive	Silicone	121129-0289	1 Unit = 1 Bag with 50pcs
	Non loosing	Form Industrial with	NBR	121129-0264	1 Unit = 1 Bag with 50pcs
	Non loosing	retention feature	Silicone	121129-0296	1 Unit = 1 Bag with 50pcs
	Profile	Form A	NBR	121129-0080	1 Unit = 1 Bag with 100pcs
	Profile	FOITH A	Silicone	121129-0081	1 Unit = 1 Bag with 100pcs
A 14	Flat	Form A	NBR	121129-0078	1 Unit = 1 Bag with 100pcs
3270	Flat	FOITH A	Silicone	121129-0079	1 Unit = 1 Bag with 100pcs
	Profile	Form B and Industrial	NBR	121129-0084	1 Unit = 1 Bag with 100pcs
	Profile	Form B and industrial	Silicone	121129-0085	1 Unit = 1 Bag with 100pcs
	Flat	Form Industrial	NBR	121129-0082	1 Unit = 1 Bag with 100pcs
	Flat	Form industrial	Silicone	121129-0083	1 Unit = 1 Bag with 100pcs
	Flat	Farma D	NBR	121129-0112	1 Unit = 1 Bag with 100pcs
	Flat	Form B	Silicone	121129-0113	1 Unit = 1 Bag with 100pcs
	Profile	Farm Canal Minns	NBR	121129-0098	1 Unit = 1 Bag with 100pcs
	Profile	Form C and Micro	Silicone	121129-0099	1 Unit = 1 Bag with 100pcs
	Flat	Form Micro	NBR	121129-0096	1 Unit = 1 Bag with 100pcs
	Flat	Form Micro	Silicone	121129-0097	1 Unit = 1 Bag with 100pcs
	Flat	Form C	NBR	121129-0118	1 Unit = 1 bag with 100pcs
	Flat	Form C	Silicone	121129-0119	1 Unit = 1 Bag with 100pcs



Gasket and screws, bagged spare parts for DIN valve connectors. Spare parts are developed specifically for and can be used only with mPm DIN valve connectors.

mPm[®] DIN Spare Parts

121129 DIN Valve Connector Spare Parts

	Screw Type	Length	Note	Standard Order No.	Packaging Style
	M2.5	22.50mm	Steel - Zinc plated	121129-0033	1 Unit = 1 Bag with 100pcs
	M2.5	25.00mm	Steel - Zinc plated	121129-0002	1 Unit = 1 Bag with 100pcs
	МЗ	20.00mm	Steel - Zinc plated	121129-0030	1 Unit = 1 Bag with 100pcs
	МЗ	25.00mm	Steel - Zinc plated	121129-0007	1 Unit = 1 Bag with 100pcs
•	МЗ	27.00mm	Steel - Zinc plated	121129-0010	1 Unit = 1 Bag with 100pcs
•	МЗ	29.00mm	Steel - Zinc plated	121129-0001	1 Unit = 1 Bag with 100pcs
	МЗ	31.00mm	Steel - Zinc plated	121129-0003	1 Unit = 1 Bag with 100pcs
	МЗ	27.00mm	Steel - Zinc plated With additional sealing grommet	121129-0237	1 Unit = 1 Bag with 100pcs
	МЗ	30.00mm	Steel - Zinc plated With additional sealing grommet	121129-0069	1 Unit = 1 Bag with 100pcs
	М3	31.00mm	Steel - Zinc plated With additional sealing grommet	121129-0262	1 Unit = 1 Bag with 100pcs

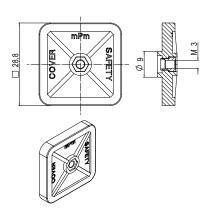
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Gasket and screws, bagged spare parts for DIN valve connectors. Spare parts are developed specifically and can be used only with mPm DIN valve connectors.

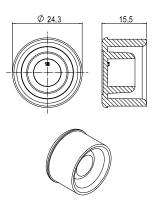
mPm® DIN Accessories

1210130006 Cover cap for form A connector **1211230038** Cover cap for form A bases **1211220400** Adaptor for corrugated tube on form A

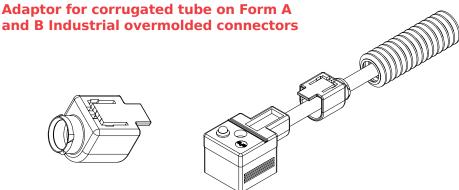
121013-0006 Cover cap for Form A Connector



121123-0038 Cover cap for Form A Bases

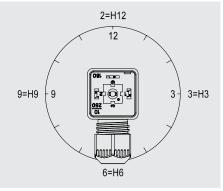


121122-0400



Ground PIN Position

Ground PIN position must be specified. For the range of mPm DIN valve connectors the position is noted looking at the face view of the connector with the cable gland (or cable exit) down below. In the H6 position the ground pin is at the bottom. In the H12 position the ground pin is at the top. Please note that the ground PIN position can be rotated 90° or 180° depending on the connector type.



For additional information on Molex Brad® product range please request a copy of the Molex Brad® Automation Catalogue from your local Sales representative.

All dimensions and product information included in this catalogue are for reference only. More detailed sales drawings are available for download on **www.molex.com** or upon request from your local Sales representative.

From time to time Molex reserves the right to add new part numbers or obsolete part numbers based on market demand, please check availability on **www.molex.com**.

Get more insights at: www.molex.com/link/mpm.html



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