

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

## Specifications

### ELECTRICAL

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

### MECHANICAL

Insertion and Withdrawal Force:  
2+GND ≤ 60N

### CERTIFICATION

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

### PHYSICAL

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

### ENVIRONMENTAL

IP65 sealing protection  
(IP67 available on request)

## Non Electronic

**C18 2 09 N 2 1**

#### SERIES

**C18**=Internal Thread Form A

#### POLES

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

#### THREAD

**09**=PG9 **11**=PG11 **M6**=M16x1,5 **M0**=M20x1,5  
**12**=1/2" GAS **13**=1/2 NPTF

#### COVER COLOR

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

#### GROUND POSITION

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

#### SCREW & GASKET

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

## Electronic

**S18 2 09 T C4 2 1**

#### SERIES

**S18**=Internal Thread Form A

#### POLES

**2**=2Poles+Ground

#### THREAD

**09**=PG9 **11**=PG11 **M6**=M16x1,5 **M0**=M20x1,5  
**12**=1/2" GAS **13**=1/2 NPTF

#### COVER COLOR

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

#### CIRCUIT

see page 33

#### VOLTAGE & LED COLOR

see page 33

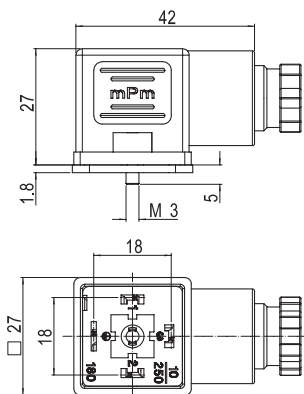
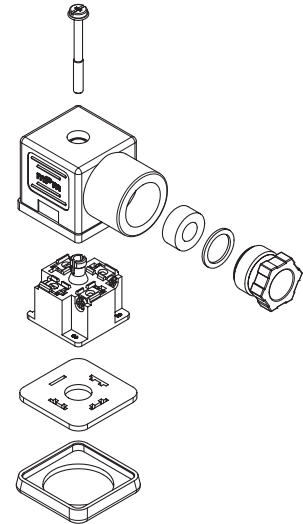
#### SCREW & GASKET

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## Brad® 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.
Bulk Pack	Mounted	2+Ground	NO	250V AC/300V DC	NO	C18209N21	121023-0238
			NO	250V AC/300V DC	NO	C18211N21	121023-0278
		3+Ground	NO	250V AC/300V DC	NO	C18309N21	121023-0341
			NO	250V AC/300V DC	NO	C18311N21	121023-0377
		2+Ground	C4	24V AC/DC	yellow	S18209TC4H1	121064-0600
			C4	230V AC/DC	yellow	S18209TC4M1	121064-0603
			C4	24V AC/DC	yellow	S18211TC4H1	121064-0685
			C4	230V AC/DC	yellow	S18211TC4M1	121064-0687

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.

### Circuit Options

#### SUPPLY VOLTAGE AND LED COLOR

1 = 12V	Red LED	A = 12V	Green LED	G = 12V	Yellow LED
2 = 24V		B = 24V		H = 24V	
3 = 48V		C = 48V		K = 48V	
4 = 115V		D = 115V		L = 115V	
5 = 230V		E = 230V		M = 230V	

Input	Circuit Schematic	Load	Circuit Description	Available on Product Type
V AC/DC			<b>CIRCUIT A1</b> With bipolar LED, provides a luminous signal when power is applied.	Connectors Series S, Series E (only with Electronic) and Series A
V DC			<b>CIRCUIT C3</b> 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			<b>CIRCUIT C4</b> 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			<b>CIRCUIT D0</b> With VDR to protect supply and switch from peak of overvoltage.	Connectors Series S, Series E (only with Electronic)
V DC			<b>CIRCUIT E0</b> With diode to protect against peak of overvoltage when switching off.	Connectors Series S, Series E (only with Electronic)
V AC/DC			<b>CIRCUIT S0</b> 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			<b>CIRCUIT S1</b> With transient suppressor (transil) to provide blocking of input and output overvoltage.	Connectors Series S, Series E (only with Electronic)
V AC			<b>CIRCUIT R0</b> Full wave bridge rectifier with VDR to protect against overvoltage.	Connectors Series S53/54/11, Series E451 (only with Electronic)
V AC			<b>CIRCUIT R2</b> Full wave bridge rectifier with VDR to protect against overvoltage and LED to confirm the presence of the rectified DC voltage.	Connectors Series S53/54/11, Series E451 (only with Electronic)