

Angled plug socket PEV

FESTO



Characteristics

At a glance

Angled plug socket PEV-1/4-WD-LED-...

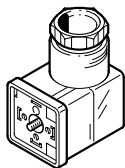
- For pressure switch PEV-1/4-B-(OD), PEV-1/4-SC-OD and PEV-1/4-A-SW27-B-OD
- With integrated LEDs for switching status indication

Angled plug socket PEV-1/4-A-WD

- For pressure switch PEV-1/4-A-SW27

Datasheet

General technical data PEV-1/4-WD-LED



Operational voltage range DC	15 ... 180 V
Type of mounting	Screw-clamped
Mounting position	–
Cable outlet	Angled
Note on cable outlet	–
Switching status indication	Yellow LED, Green LED

Electronics PEV-1/4-WD-LED-24

Operational voltage range DC	15 ... 30 V
------------------------------	-------------

Electronics PEV-1/4-WD-LED-230

Operational voltage range DC	140 ... 180 V
Operational voltage range AC	150 ... 230 V

Electromechanics PEV-1/4-WD-LED

Operational voltage range DC	15 ... 30 V	140 ... 180 V
Electrical connection 1, design	Square	
Electrical connection 1, function	Field device side	
Electrical connection 1, number of connections/cores	4	
Electrical connection 1, used connections/cores	4	
Electrical connection 1, tightening torque	0.55	0.5
Electrical connection 1, type of mounting	Central screw M3	
Electrical connection 2, function	Control side	
Electrical connection 2, connector system	Screw terminal	
Electrical connection 2, number of connections/cores	5	
Electrical connection 2, used connections/cores	5	
Cable fitting	Pg11	
Current rating at 40° C ¹⁾	8 A	
Permissible cable diameter	4.5 ... 11 mm	
Connection cross section	0.25 ... 1.5 mm ²	
Protective conductor connection	–	

1) Applies to PEV-1/4-WD-LED-24

Datasheet

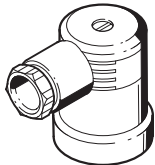
Operating and environmental conditions PEV-1/4-WD-LED

Operational voltage range DC	15 ... 30 V	140 ... 180 V
Ambient temperature	-40 ... 80°C	
Note on ambient temperature	Observe derating	
CE mark (see declaration of conformity)	–	To EU Low Voltage Directive, In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	–	To UK RoHS instructions, To UK regulations for electrical equipment
Based on standard	EN 175301-803	
Degree of protection	IP65	
Note on degree of protection	In mounted state	
Frequency of connection	50	–
Note on contact durability	–	
Pollution degree	–	
Note on the contamination level	–	

Materials PEV-1/4-WD-LED

Operational voltage range DC	15 ... 30 V	140 ... 180 V
Material housing	Reinforced PA6	
Housing colour	Transparent	
Material electrical contact	Brass	Brass, nickel-plated, Tin-plated
Material screws	–	
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B2-L	

General technical data PEV-1/4-A-WD



Type of mounting	With through-hole
Electrical connection	4-pin Angled socket

Operating and environmental conditions PEV-1/4-A-WD

Ambient temperature	-40 ... 90°C	
CE mark (see declaration of conformity)	To EU Low Voltage Directive	
UKCA marking (see declaration of conformity)	To UK regulations for electrical equipment	
Degree of protection	IP65	

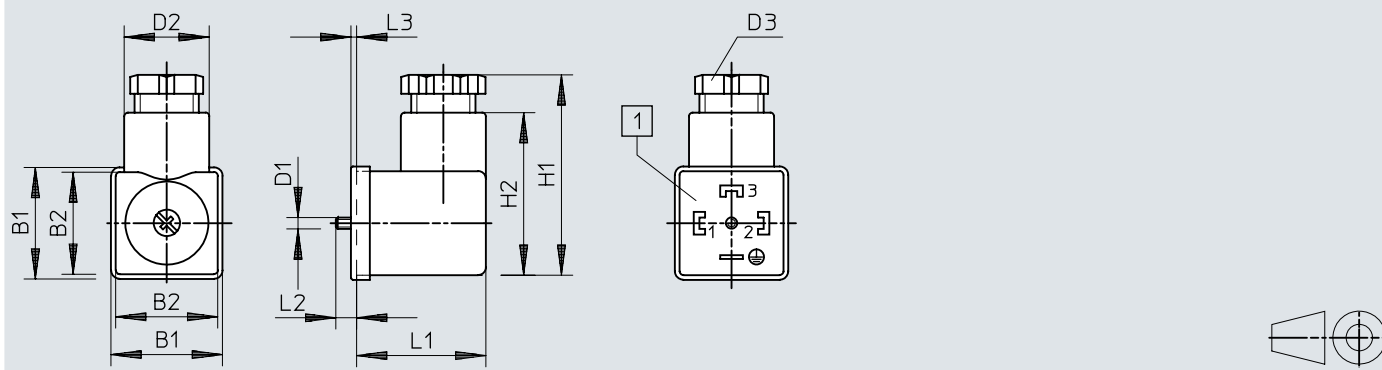
Materials PEV-1/4-A-WD

Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B1/B2-L	

Dimensions

Dimensions – Angled plug socket PEV-1/4-WD-LED

Download CAD data www.festo.com

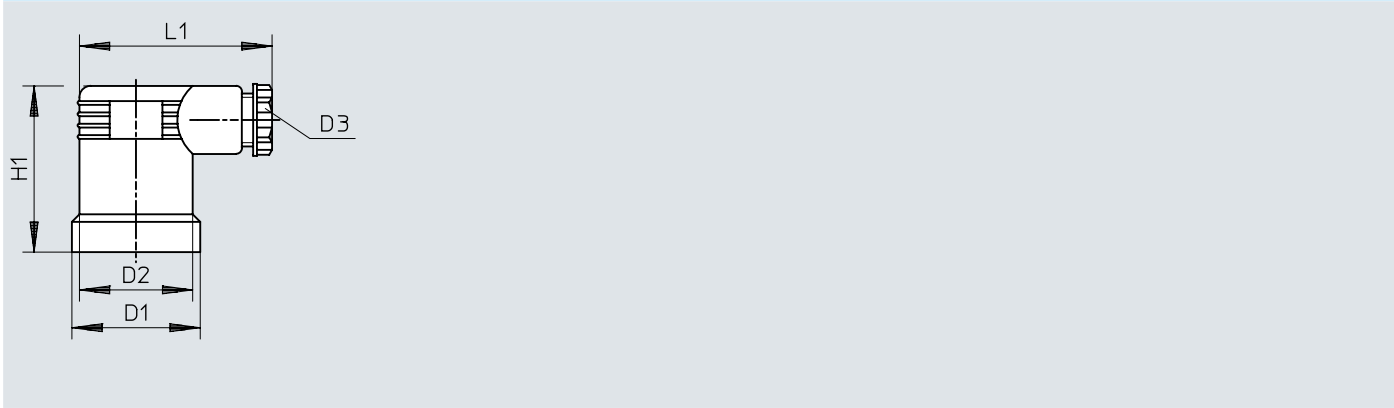


[1] Inserts can be rotated 90°

		B1	B2	D1	D2 Ø	D3	H1	H2	L1	L2	L3
PEV-1/4-WD-LED-24	PEV-...-24	30	27,5	M3	22,5	Pg11	53	43	34,2	5,5	1,5
PEV-1/4-WD-LED-230	PEV-...-230										

Dimensions

Dimensions – Angled plug socket PEV-1/4-A-WD Download CAD data www.festo.com



	D1	D2	D3	H1	L1
	Ø	Ø			
PEV-1/4-A-WD	34	30	Pg9	44	51

Ordering data

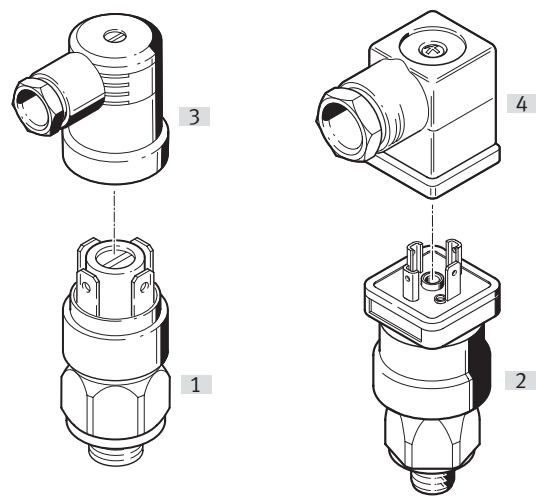
Angled plug socket PEV-1/4-WD-LED ¹⁾						
	Operational voltage range DC	Material housing	Housing colour	Product weight	Part no.	Type
	15 ... 30 V	Reinforced PA6	Transparent	30 g	164274	PEV-1/4-WD-LED-24
	140 ... 180 V				164275	PEV-1/4-WD-LED-230

1) Inserts can be rotated 90°

Angled plug socket PEV-1/4-A-WD				
	Electrical connection	LABS (PWIS) conformity	Part no.	Type
	4-pin, Angled socket	VDMA24364-B1/B2-L	161209	PEV-1/4-A-WD

Peripherals

Peripherals overview



Accessories		→ Link
Type/order code	Description	
[1] Pressure switch PEV-1/4-A-SW27		pev
[2] Pressure switch PEV-1/4-A-SW27-B-OD		pev
[3] Angled plug socket PEV-1/4-A-WD		pev_wd
[4] Angled plug socket PEV-1/4-WD-LED- ...		pev_wd