

BAROMETRIC INDICATORS

Dimensions

BEA*50	
Electrical Pressure Indicator	
Settings	Ordering code
1.5 bar ±10%	BE A 15 H A 50 P01
2.0 bar ±10%	BE A 20 H A 50 P01

Hydraulic symbol

Electrical symbol

Materials

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

Technical data

- Max working pressure: 40 bar
- Proof pressure: 60 bar
- Working temperature: From -25 °C to +80 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

Electrical data

- Electrical connection: EN 175301-803
- Resistive load: 5 A / 14 Vdc
4 A / 30 Vdc
5 A / 125 Vac
4 A / 250 Vac

- Available Atex product: II 1GD Ex ia IIC Tx Ex ia IIIC Tx °C X

- CE certification

BEM*41	
Electrical Pressure Indicator	
Settings	Ordering code
1.5 bar ±10%	BE M 15 H A 41 P01
2.0 bar ±10%	BE M 20 H A 41 P01

Hydraulic symbol

Electrical symbol

Materials

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

Technical data

- Max working pressure: 40 bar
- Proof pressure: 60 bar
- Working temperature: From -25 °C to +80 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP67 according to EN 60529

Electrical data

- Electrical connection: Four-core cable
- Resistive load: 5 A / 14 Vdc
4 A / 30 Vdc
5 A / 125 Vac
4 A / 250 Vac

- CE certification

On request this indicator can be provided with main connectors in use for wirings.

BET*10	
Electrical Pressure Indicator	
Settings	Ordering code
2.0 bar ±10%	BET 20 H F 10 P01
2.5 bar ±10%	BET 25 H F 10 P01

Hydraulic symbol

Electrical symbol

Materials

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR

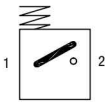
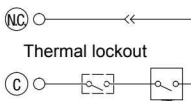
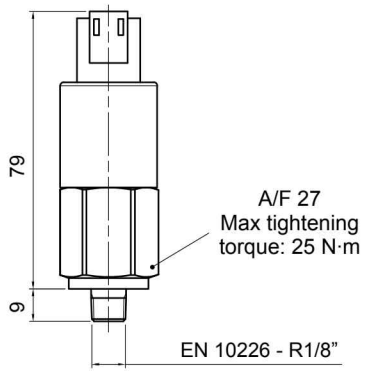
Technical data

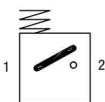
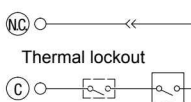
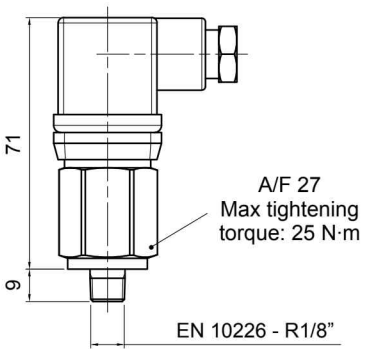
- Max working pressure: 10 bar
- Proof pressure: 15 bar
- Working temperature: From -25 °C to +100 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

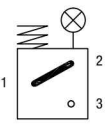
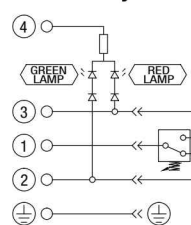
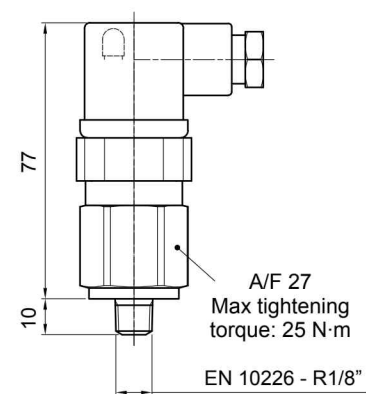
Electrical data

- Electrical connection: AMP Superseal series 1.5
- Resistive load: 0.5 A / 48 Vdc
- Thermostat condition: Open up to 30 °C

- CE certification

BET*30		Hydraulic symbol	Materials - Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: HNBR
Electrical Pressure Indicator			
Settings	Ordering code	Electrical symbol	Technical data - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +100 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529
2.0 bar ±10%	BE T 20 H F 30 P01		
2.5 bar ±10%	BE T 25 H F 30 P01	Electrical data - Electrical connection: Deutsch DT-04-2-P - Resistive load: 0.5 A / 48 Vdc - Thermostat condition: Open up to 30 °C - CE certification	
			

BET*50		Hydraulic symbol	Materials - Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: HNBR
Electrical Pressure Indicator			
Settings	Ordering code	Electrical symbol	Technical data - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +100 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529
2.0 bar ±10%	BE T 20 H F 50 P01		
2.5 bar ±10%	BE T 25 H F 50 P01	Electrical data - Electrical connection: EN 175301-803 - Resistive load: 0.5 A / 48 Vdc - Thermostat condition: Open up to 30 °C - CE certification	
			

BL*51 - BL*52 - BL*53		Hydraulic symbol	Materials - Body: Brass - Base: Transparent Nylon - Contacts: Silver - Seal: HNBR
Electrical/Visual Pressure Indicator			
Settings	Ordering code	Electrical symbol	Technical data - Max working pressure: 40 bar - Proof pressure: 60 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529
1.5 bar ±10%	BL A 15 H A xx P01		
2.0 bar ±10%	BL A 20 H A xx P01	Electrical data - Electrical connection: EN 175301-803 - Type: 51 52 53 - Lamps: 24 Vdc 110 Vdc 230 Vac - Resistive load: 1 A / 24 Vdc 1 A / 110 Vdc 1 A / 230 Vac	
			

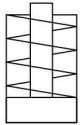
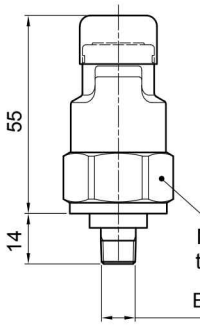
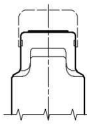
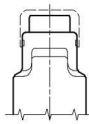
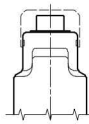
BAROMETRIC INDICATORS

Dimensions

BL*71		Hydraulic symbol	Materials
Electrical/Visual Pressure Indicator			
Settings	Ordering code		
1.5 bar $\pm 10\%$	BL A 15 HA 71 P01	Technical data - Max working pressure: 40 bar - Proof pressure: 60 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529	
2.0 bar $\pm 10\%$	BL A 20 HA 71 P01		
		Electrical symbol 	Electrical data - Electrical connection: IEC 61076-2-101 D (M12) - Lamps: 24 Vdc - Resistive load: 0.4 A / 24 Vdc

BVA		Hydraulic symbol	Materials
Axial Pressure Gauge			
Settings	Ordering code		
1.4 bar $\pm 10\%$	BV A 14 P01	Technical data - Max working pressure: Static: 7 bar Fluctuating: 6 bar Short time: 10 bar - Working temperature: From -40 °C to +60 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Accuracy: Class 2.5 according to EN 13190 - Degree of protection: IP31 according to EN 60529	
2.5 bar $\pm 10\%$	BV A 25 P01		
		Dial scale BV A 14 P01 	
			BV A 25 P01

BVR		Hydraulic symbol	Materials
Radial Pressure Gauge			
Settings	Ordering code		
1.4 bar $\pm 10\%$	BV R 14 P01	Technical data - Max working pressure: Static: 7 bar Fluctuating: 6 bar Short time: 10 bar - Working temperature: From -40 °C to +60 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Accuracy: Class 2.5 according to EN 13190 - Degree of protection: IP31 according to EN 60529	
2.5 bar $\pm 10\%$	BV R 25 P01		
		Dial scale BV R 14 P01 	
			BV R 25 P01

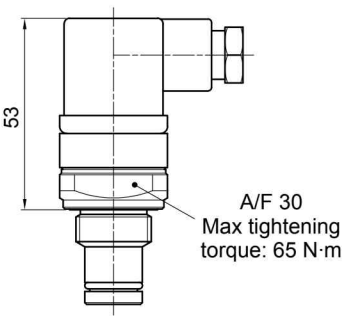
BVP - BVQ		Hydraulic symbol	Materials	
Visual Pressure Indicator				
Setting	Ordering code			
1.5 bar ±10%	BV P 15 H P01		Technical data - Reset: BVP - Automatic reset BVQ - Manual reset - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP45 according to EN 60529	
	BV Q 15 H P01			
2.0 bar ±10%	BV P 20 H P01	A/F 27 Max tightening torque: 25 N·m EN 10226 - R1/8"		
	BV Q 20 H P01			
		Signals		
		 Absence of pressure (no indicator)	 Presence of pressure (green button rises gradually)	 Clogged filter element (red button risen)

DESIGNATION & ORDERING CODE											
Series				Configuration example 1:	BE	M	15	H	A	41	P01
BE	Electrical pressure indicator			Configuration example 2:	BL	A	20	H	A	71	P01
BL	Electrical/Visual pressure indicator			Configuration example 3:	BV	R	14				P01
BV	Visual pressure indicator			Configuration example 4:	BV	P	20	H			P01
Type	BE	BL	BV								
A	•	•	A		Axial connection pressure gauge						
M	•		R		Radial connection pressure gauge						
T	•		P		Visual indicator with automatic reset						
			Q		Visual indicator with manual reset						
Pressure setting	BEA-BEM	BET	BLA	BVA-BVR	BVP-BVQ						
14	1.4 bar			•							
15	1.5 bar	•	•								
20	2.0 bar	•	•		•						
25	2.5 bar		•	•							
Seals	BE	BLA	BVA-BVR	BVP-BVQ							
H	HNBR	•	•	•							
Thermostat	BEA-BEM	BET	BLA	BV							
A	Without	•	•								
F	With		•								
Electrical connections	BEA	BEM	BET	BL	BV						
10	Connection AMP Superseal series 1.5		•								
30	Connection Deutsch DT-04-2-P		•								
41	Connection via four-core cable			•							
50	Connection EN 175301-803	•	•								
51	Connection EN 175301-803, transparent base with lamps 24 Vdc				•						
52	Connection EN 175301-803, transparent base with lamps 110 Vdc				•						
53	Connection EN 175301-803, transparent base with lamps 230 Vdc				•						
71	Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc				•						
Option											
P01 MP Filtri standard											
Pxx Customized											

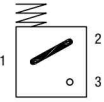
DIFFERENTIAL INDICATORS

Dimensions

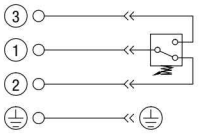
DEA*50	
Electrical Differential Indicator	
Settings	Ordering code
1.2 bar ±10%	DE A 12 x A 50 P01
2.0 bar ±10%	DE A 20 x A 50 P01
5.0 bar ±10%	DE A 50 x A 50 P01
7.0 bar ±10%	DE A 70 x A 50 P01
9.5 bar ±10%	DE A 95 x A 50 P01



Hydraulic symbol



Electrical symbol



Materials

- Body: Brass
- Base: Black Nylon
- Contacts: Silver
- Seal: HNBR - FPM

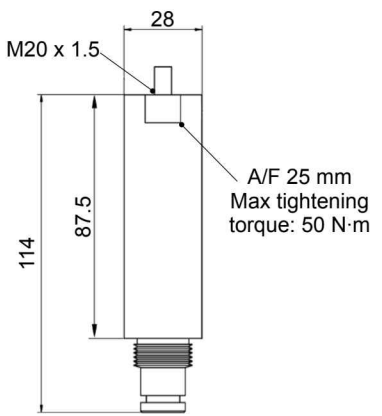
Technical data

- Max working pressure: 420 bar
- Proof pressure: 630 bar
- Burst pressure: 1260 bar
- Working temperature: From -25 °C to +110 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree protection: IP66 according to EN 60529
IP69K according to ISO 20653

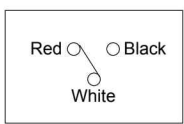
Electrical data

- Electrical connection: EN 175301-803
- Resistive load: 0.2 A / 115 Vdc

DEH*48	
Hazardous Area Electronic Differential Indicator	
Settings	Ordering code
5.0 bar ±10%	DE H 50 x A 48 P01
7.0 bar ±10%	DE H 70 x A 48 P01



Connection diagram



Materials

- Body: AISI 316 Stainless steel
- Contacts: Rhodium (tungsten optional)
- Seal: MFQ - FPM

Protection class

Ex ia IIC T4/T6: Intrinsically safe

Temperature class

T4 (135 °C) and T6 (85 °C)


Technical data

- Max working pressure: 420 bar
- Working temperature: From -60 °C to +125 °C
- Connection type: M20 x 1.5 - 3 core polyrad cable supplied with 5 meters
- Contact type: SPCO/SPDT (Hermetically sealed - volt free contacts)
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP 66/67/68 according to EN 60529

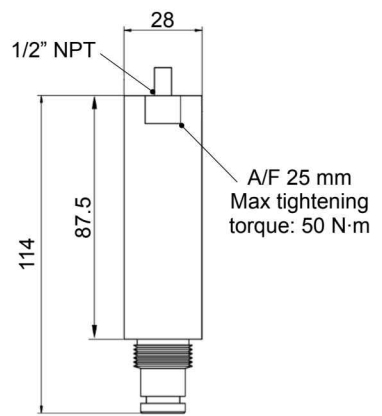
Electrical data

- Current Ratings: 24v DC 830mA - 110v AC 180mA
- Electrical Ratings: Ui 30V - Li 250mA - Pi 1.3W

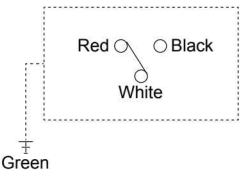
Certification / Approvals: ATEX, IECEx, TRCU, INMETRO
- Certification included as standard



DEH*49	
Hazardous Area Electronic Differential Indicator	
Settings	Ordering code
5.0 bar ±10%	DE H 50 x A 49 P01
7.0 bar ±10%	DE H 70 x A 49 P01



Connection diagram



Materials

- Body: AISI 316 Stainless steel
- Contacts: Rhodium (tungsten optional)
- Seal: MFQ - FPM

Protection class

Ex d IIC T4/T6: Flameproof

Temperature class

T4 (135 °C) and T6 (85 °C)

Technical data

- Max working pressure: 420 bar
- Working temperature: From -60 °C to +120 °C : ATEX, IECEx, TRCU, INMETRO
From -60 °C to +105 °C : UL/CSA
- Connection type: 1/2" NPT - 3 core polyrad cable supplied with 5 meters
- Contact type: SPCO/SPDT (Hermetically sealed - volt free contacts)
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP 66/67/68 according to EN 60529

Electrical data

- Current Ratings: 24v DC 830mA - 110v AC 180mA
- Electrical Ratings: Supply Voltage | 24 VDC | 110 VAC |
Max switching current | 830mA | 180mA |
Max voltage | 150 V AC/DC |
Power watts | 20 W VA |

Certification / Approvals: ATEX, IECEx, TRCU, INMETRO, UL/CSA Class I Division 1 Groups A-D, UL/CSA Class II Division 1 Groups E-G
- Certification included as standard

