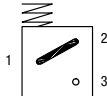
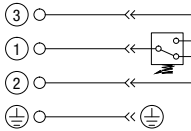
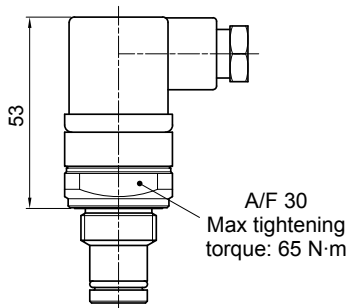
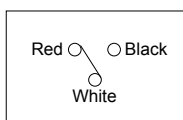
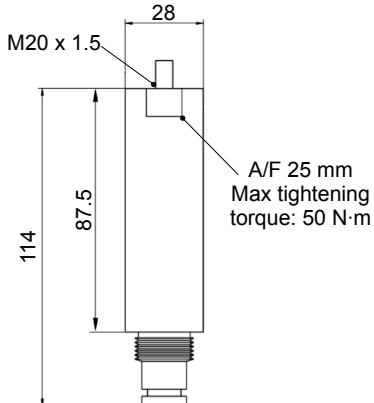
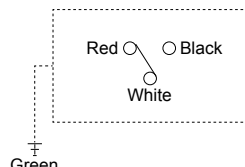
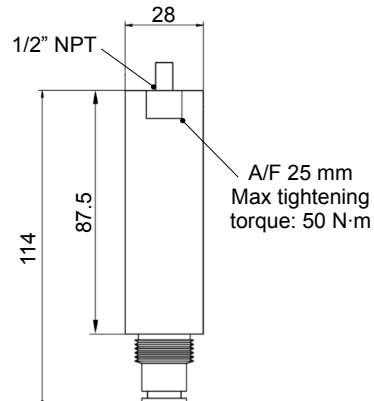


DIFFERENTIAL INDICATORS

Dimensions

DEA*50		Hydraulic symbol		Materials	
Electrical Differential Indicator				- Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: HNBR - FPM	
Settings	Ordering code	Electrical symbol		Technical data	
1.2 bar ±10%	DE A 12 x A 50 P01			- 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	
2.0 bar ±10%	DE A 20 x A 50 P01			Electrical data	
5.0 bar ±10%	DE A 50 x A 50 P01			- Electrical connection: EN 175301-803 - Resistive load: 0.2 A / 115 Vdc	
7.0 bar ±10%	DE A 70 x A 50 P01				
9.5 bar ±10%	DE A 95 x A 50 P01				
					

DEH*48		Connection diagram		Materials	
Hazardous Area Electronic Differential Indicator				- Body: AISI 316 Stainless steel - Contacts: Rhodium (tungsten optional) - Seal: MFQ - FPM	
Settings	Ordering code			Protection class	
5.0 bar ±10%	DE H 50 x A 48 P01			Ex ia IIC T4/T6: Intrinsically safe	
7.0 bar ±10%	DE H 70 x A 48 P01			Temperature class	
				T4 (135 °C) and T6 (85 °C)	
				Technical data	
		- Certification / Approvals: ATEX, IECEx, TRCU, INMETRO		- 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	
		- Certification included as standard		Electrical data	
				- Current Ratings 24v DC 830mA - 110v AC 180mA - Electrical Ratings Ui 30V - Li 250mA - Pi 1.3W	

DEH*49		Connection diagram		Materials	
Hazardous Area Electronic Differential Indicator				- Body: AISI 316 Stainless steel - Contacts: Rhodium (tungsten optional) - Seal: MFQ - FPM	
Settings	Ordering code			Protection class	
5.0 bar ±10%	DE H 50 x A 49 P01			Ex d IIC T4/T6: Flameproof	
7.0 bar ±10%	DE H 70 x A 49 P01			Temperature class	
				T4 (135 °C) and T6 (85 °C)	
				Technical data	
		- Certification / Approvals: ATEX, IECEx, TRCU, INMETRO, UL/CSA Class I Division 1 Groups A-D, UL/CSA Class II Division 1 Groups E-G		- 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	
		- Certification included as standard		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	

DEH*70

Hazardous Area
Electronic Differential Indicator

Settings	Ordering code
5.0 bar ±10%	DE H 50 x A 70 P01
7.0 bar ±10%	DE H 70 x A 70 P01

M12
28 mm O.D.
A/F 25 mm
Max tightening torque: 50 N·m

Connection diagram

Brown
Blue
Black

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

Materials

- Body: AISI 316 Stainless steel housing with internal engineered resin switch
- Contacts: Rhodium
- Seal: MFQ - FPM

Protection class

EX ia IIC T6: Intrinsically safe

Temperature class

T6 (85 °C)

Technical data

- Max working pressure: 420 bar
- Working temperature: From -20 °C to +80 °C
- Connection type: 4 pole male M12 connector - plastic
- Contact type: SPCO/SPDT (Hermetically sealed - volt free contacts)
- Compatibility with fluids: Mineral oils, Synthetic fluids
- Degree of protection: HFA, HFB, HFC according to ISO 2943 IP 66/67 according to EN 60529

Electrical data

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

DEM*10

Electrical Differential Indicator

Settings	Ordering code
1.2 bar ±10%	DE M 12 x x 10 P01
2.0 bar ±10%	DE M 20 x x 10 P01
5.0 bar ±10%	DE M 50 x x 10 P01
7.0 bar ±10%	DE M 70 x x 10 P01
9.5 bar ±10%	DE M 95 x x 10 P01

min. 60
30
A/F 28
Max tightening torque: 65 N·m
flexible cable: 290 to "A"

Hydraulic symbol

1 2

Electrical symbol

Thermal lockout

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
- Degree protection: HFA, HFB, HFC according to ISO 2943 IP66 according to EN 60529

Electrical data

- Electrical connection: AMP Superseal series 1.5
- Resistive load: 0.2 A / 115 Vdc
- Switching type: Normally open contacts (NC on request)
- Thermal lockout: Normally open up to 30 °C (option "F")

DEM*20

Electrical Differential Indicator

Settings	Ordering code
1.2 bar ±10%	DE M 12 x x 20 P01
2.0 bar ±10%	DE M 20 x x 20 P01
5.0 bar ±10%	DE M 50 x x 20 P01
7.0 bar ±10%	DE M 70 x x 20 P01
9.5 bar ±10%	DE M 95 x x 20 P01

60
A/F 28
Max tightening torque: 65 N·m

Hydraulic symbol

1 2

Electrical symbol

Thermal lockout

Materials

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

Technical data

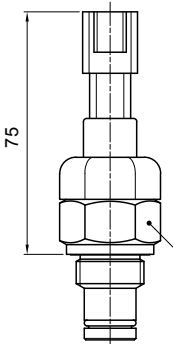
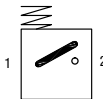
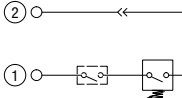
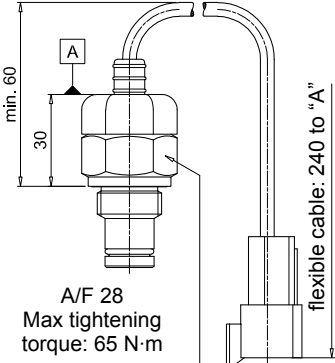
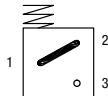
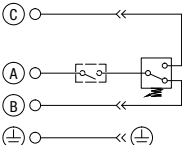
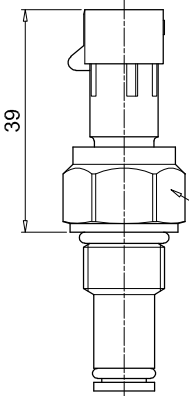
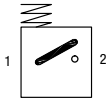
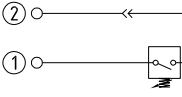
- Max working pressure: 420 bar
- Proof pressure: 630 bar
- Burst pressure: 1260 bar
- Working temperature: From -25 °C to +110 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
- Degree protection: HFA, HFB, HFC according to ISO 2943 IP66 according to EN 60529

Electrical data

- Electrical connection: AMP Time junior
- Resistive load: 0.2 A / 115 Vdc
- Switching type: Normally open contacts (NC on request)
- Thermal lockout: Normally open up to 30 °C (option "F")

DIFFERENTIAL INDICATORS

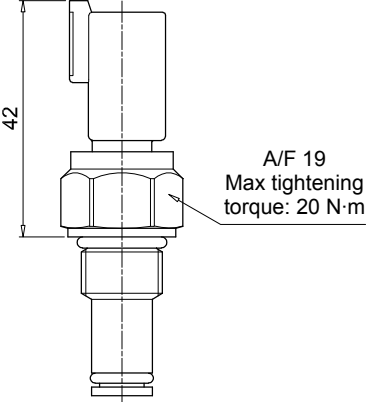
Dimensions

DEM*30 Electrical Differential Indicator <table><tr><th>Settings</th><th>Ordering code</th></tr><tr><td>1.2 bar ±10%</td><td>DE M 12 x x 30 P01</td></tr><tr><td>2.0 bar ±10%</td><td>DE M 20 x x 30 P01</td></tr><tr><td>5.0 bar ±10%</td><td>DE M 50 x x 30 P01</td></tr><tr><td>7.0 bar ±10%</td><td>DE M 70 x x 30 P01</td></tr><tr><td>9.5 bar ±10%</td><td>DE M 95 x x 30 P01</td></tr></table>  A/F 28 Max tightening torque: 65 N·m		Settings	Ordering code	1.2 bar ±10%	DE M 12 x x 30 P01	2.0 bar ±10%	DE M 20 x x 30 P01	5.0 bar ±10%	DE M 50 x x 30 P01	7.0 bar ±10%	DE M 70 x x 30 P01	9.5 bar ±10%	DE M 95 x x 30 P01	Hydraulic symbol  Electrical symbol 	Materials - Body: - Base: - Contacts: - Seal: Brass Black Nylon Silver HNBR - FPM Technical data - Max working pressure: - Proof pressure: - Burst pressure: - Working temperature: - Compatibility with fluids: - Degree protection: 420 bar 630 bar 1260 bar From -25 °C to +110 °C Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 IP66 according to EN 60529 Electrical data - Electrical connection: - Resistive load: - Switching type: - Thermal lockout: Deutsch DT-04-2-P 0.2 A / 115 Vdc Normally open contacts (NC on request) Normally open up to 30 °C (option "F")
Settings	Ordering code														
1.2 bar ±10%	DE M 12 x x 30 P01														
2.0 bar ±10%	DE M 20 x x 30 P01														
5.0 bar ±10%	DE M 50 x x 30 P01														
7.0 bar ±10%	DE M 70 x x 30 P01														
9.5 bar ±10%	DE M 95 x x 30 P01														
DEM*35 Electrical Differential Indicator <table><tr><th>Settings</th><th>Ordering code</th></tr><tr><td>1.2 bar ±10%</td><td>DE M 12 x x 35 P01</td></tr><tr><td>2.0 bar ±10%</td><td>DE M 20 x x 35 P01</td></tr><tr><td>5.0 bar ±10%</td><td>DE M 50 x x 35 P01</td></tr><tr><td>7.0 bar ±10%</td><td>DE M 70 x x 35 P01</td></tr><tr><td>9.5 bar ±10%</td><td>DE M 95 x x 35 P01</td></tr></table>  A/F 28 Max tightening torque: 65 N·m flexible cable: 240 to "A"		Settings	Ordering code	1.2 bar ±10%	DE M 12 x x 35 P01	2.0 bar ±10%	DE M 20 x x 35 P01	5.0 bar ±10%	DE M 50 x x 35 P01	7.0 bar ±10%	DE M 70 x x 35 P01	9.5 bar ±10%	DE M 95 x x 35 P01	Hydraulic symbol  Electrical symbol 	Materials - Body: - Base: - Contacts: - Seal: Brass Black Nylon Silver HNBR - FPM Technical data - Max working pressure: - Proof pressure: - Burst pressure: - Working temperature: - Compatibility with fluids: - Degree protection: 420 bar 630 bar 1260 bar From -25 °C to +110 °C Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 IP66 according to EN 60529 Electrical data - Electrical connection: - Resistive load: - Switching type: - Thermal lockout: Deutsch DT-04-3-P 0.2 A / 115 Vdc SPDT contact Normally open up to 30 °C (option "F")
Settings	Ordering code														
1.2 bar ±10%	DE M 12 x x 35 P01														
2.0 bar ±10%	DE M 20 x x 35 P01														
5.0 bar ±10%	DE M 50 x x 35 P01														
7.0 bar ±10%	DE M 70 x x 35 P01														
9.5 bar ±10%	DE M 95 x x 35 P01														
DES*10 Electrical Differential Indicator <table><tr><th>Settings</th><th>Ordering code</th></tr><tr><td>2.5 bar ±10%</td><td>DE S 25 HA 10 P01</td></tr><tr><td>4.0 bar ±10%</td><td>DE S 40 HA 10 P01</td></tr></table>  A/F 19 Max tightening torque: 20 N·m		Settings	Ordering code	2.5 bar ±10%	DE S 25 HA 10 P01	4.0 bar ±10%	DE S 40 HA 10 P01	Hydraulic symbol  Electrical symbol 	Materials - Body: - Internal parts: - Contacts: - Seal: Brass Brass - Nylon Silver HNBR Technical data - Max working pressure: - Proof pressure: - Burst pressure: - Working temperature: - Compatibility with fluids: - Degree protection: 16 bar 24 bar 48 bar From -25 °C to +110 °C Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 IP67 according to EN 60529 Electrical data - Electrical connection: - Resistive load: - Switching type: AMP Superseal series 1.5 0.2 A / 24 Vdc Normally open contacts (NC on request)						
Settings	Ordering code														
2.5 bar ±10%	DE S 25 HA 10 P01														
4.0 bar ±10%	DE S 40 HA 10 P01														

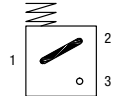
DES*30

Electrical Differential Indicator

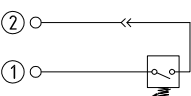
Settings	Ordering code
2.5 bar ±10%	DE S 25 HA 30 P01
4.0 bar ±10%	DE S 40 HA 30 P01



Hydraulic symbol



Electrical symbol



Materials

- Body: Brass
- Internal parts: Brass - Nylon
- Contacts: Silver
- Seal: HNBR

Technical data

- Max working pressure: 16 bar
- Proof pressure: 24 bar
- Burst pressure: 48 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: IP67 according to EN 60529

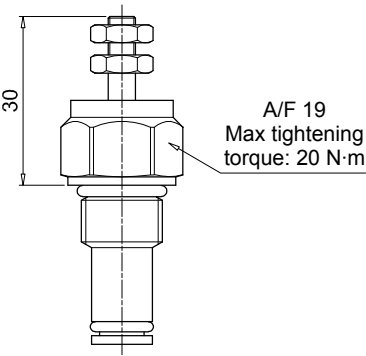
Electrical data

- Electrical connection: Deutsch DT-04-2-P
- Resistive load: 0.2 A / 24 Vdc
- Switching type: Normally open contacts (NC on request)

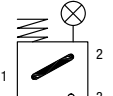
DES*80

Electrical Differential Indicator

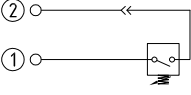
Settings	Ordering code
2.5 bar ±10%	DE S 25 HA 80 P01
4.0 bar ±10%	DE S 40 HA 80 P01



Hydraulic symbol



Electrical symbol



Materials

- Body: Brass
- Internal parts: Brass - Nylon
- Contacts: Silver
- Seal: HNBR

Technical data

- Max working pressure: 16 bar
- Proof pressure: 24 bar
- Burst pressure: 48 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: IP67 according to EN 60529

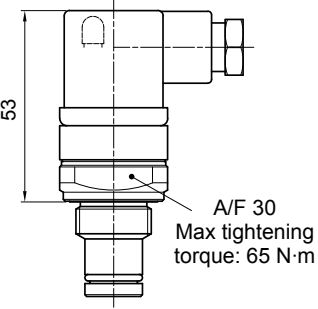
Electrical data

- Electrical connection: Stud #10-32 UNF
- Resistive load: 0.2 A / 24 Vdc
- Switching type: Normally open contacts (NC on request)

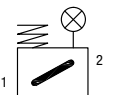
DLA*51 - DLA*52

Electrical/Visual Differential Indicator

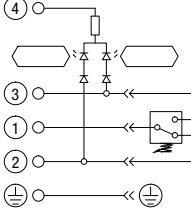
Settings	Ordering code
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2.0 bar ±10%	DL A 20 x A xx P01
5.0 bar ±10%	DL A 50 x A xx P01
7.0 bar ±10%	DL A 70 x A xx P01
9.5 bar ±10%	DL A 95 x A xx P01



Hydraulic symbol



Electrical symbol



Materials

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

Technical data

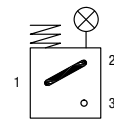
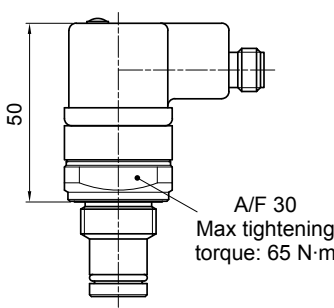
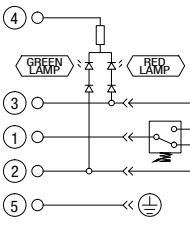
- Max working pressure: 420 bar
- Proof pressure: 630 bar
- Burst pressure: 1260 bar
- Working temperature: From -25 °C to +110 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree protection: IP66 according to EN 60529
IP69K according to ISO 20653

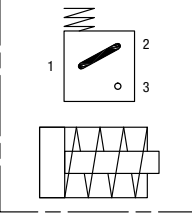
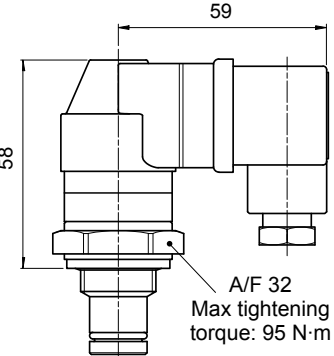
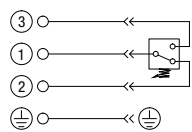
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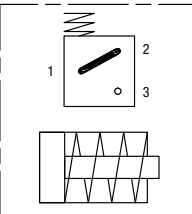
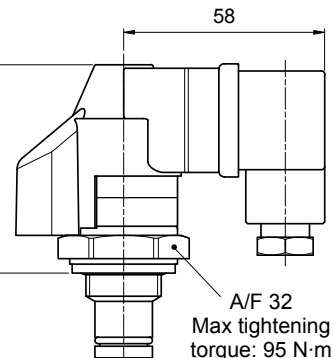
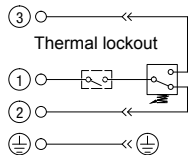
- Electrical connection:	EN 175301-803	
- Type	51	52
- Lamps	24 Vdc	110 Vdc
- Resistive load:	1 A / 24 Vdc	1 A / 110 Vdc

DIFFERENTIAL INDICATORS

Dimensions

DLA*71		Hydraulic symbol		Materials													
Electrical/Visual Differential Indicator				- Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: HNBR - FPM													
<table><tr><th>Settings</th><th>Ordering code</th></tr><tr><td>1.2 bar ±10%</td><td>DL A 12 x A 71 P01</td></tr><tr><td>2.0 bar ±10%</td><td>DL A 20 x A 71 P01</td></tr><tr><td>5.0 bar ±10%</td><td>DL A 50 x A 71 P01</td></tr><tr><td>7.0 bar ±10%</td><td>DL A 70 x A 71 P01</td></tr><tr><td>9.5 bar ±10%</td><td>DL A 95 x A 71 P01</td></tr></table>	Settings	Ordering code	1.2 bar ±10%	DL A 12 x A 71 P01	2.0 bar ±10%	DL A 20 x A 71 P01	5.0 bar ±10%	DL A 50 x A 71 P01	7.0 bar ±10%	DL A 70 x A 71 P01	9.5 bar ±10%	DL A 95 x A 71 P01		Electrical symbol		Technical data	
Settings	Ordering code																
1.2 bar ±10%	DL A 12 x A 71 P01																
2.0 bar ±10%	DL A 20 x A 71 P01																
5.0 bar ±10%	DL A 50 x A 71 P01																
7.0 bar ±10%	DL A 70 x A 71 P01																
9.5 bar ±10%	DL A 95 x A 71 P01																
				- 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: IP65 according to EN 60529 IP69K according to ISO 20653													
				Electrical data													
				- Electrical connection: IEC 61076-2-101 D (M12) - Lamps 24 Vdc - Resistive load: 0.4 A / 24 Vdc													

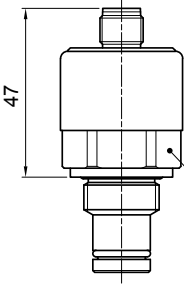
DLE*A50		Hydraulic symbol		Materials													
Electrical/Visual Differential Indicator				- Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: HNBR - FPM													
<table><tr><th>Settings</th><th>Ordering code</th></tr><tr><td>1.2 bar ±10%</td><td>DL E 12 x A 50 P01</td></tr><tr><td>2.0 bar ±10%</td><td>DL E 20 x A 50 P01</td></tr><tr><td>5.0 bar ±10%</td><td>DL E 50 x A 50 P01</td></tr><tr><td>7.0 bar ±10%</td><td>DL E 70 x A 50 P01</td></tr><tr><td>9.5 bar ±10%</td><td>DL E 95 x A 50 P01</td></tr></table>	Settings	Ordering code	1.2 bar ±10%	DL E 12 x A 50 P01	2.0 bar ±10%	DL E 20 x A 50 P01	5.0 bar ±10%	DL E 50 x A 50 P01	7.0 bar ±10%	DL E 70 x A 50 P01	9.5 bar ±10%	DL E 95 x A 50 P01		Electrical symbol		Technical data	
Settings	Ordering code																
1.2 bar ±10%	DL E 12 x A 50 P01																
2.0 bar ±10%	DL E 20 x A 50 P01																
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7.0 bar ±10%	DL E 70 x A 50 P01																
9.5 bar ±10%	DL E 95 x A 50 P01																
				- 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: IP65 according to EN 60529													
				Electrical data													
				- Electrical connections: EN 175301-803 - Resistive load: 5 A / 250 Vac - Available the connector with lamps													

DLE*F50		Hydraulic symbol		Materials													
Electrical/Visual Differential Indicator				- Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: HNBR - FPM													
<table><tr><th>Settings</th><th>Ordering code</th></tr><tr><td>1.2 bar ±10%</td><td>DL E 12 x F 50 P01</td></tr><tr><td>2.0 bar ±10%</td><td>DL E 20 x F 50 P01</td></tr><tr><td>5.0 bar ±10%</td><td>DL E 50 x F 50 P01</td></tr><tr><td>7.0 bar ±10%</td><td>DL E 70 x F 50 P01</td></tr><tr><td>9.5 bar ±10%</td><td>DL E 95 x F 50 P01</td></tr></table>	Settings	Ordering code	1.2 bar ±10%	DL E 12 x F 50 P01	2.0 bar ±10%	DL E 20 x F 50 P01	5.0 bar ±10%	DL E 50 x F 50 P01	7.0 bar ±10%	DL E 70 x F 50 P01	9.5 bar ±10%	DL E 95 x F 50 P01		Electrical symbol		Technical data	
Settings	Ordering code																
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				- 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: IP65 according to EN 60529													
				Electrical data													
				- Electrical connections: EN 175301-803 - Resistive load: 5 A / 250 Vac - Thermal lockout setting: +30 °C													

DTA*70

Electronic Differential Indicator

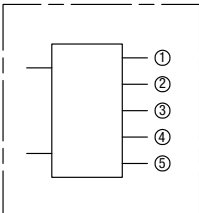
Settings	Ordering code
1.2 bar ±10%	DT A 12 x x 70 P01
2.0 bar ±10%	DT A 20 x x 70 P01
5.0 bar ±10%	DT A 50 x x 70 P01
7.0 bar ±10%	DT A 70 x x 70 P01
9.5 bar ±10%	DT A 95 x x 70 P01



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A/F 30
Max tightening torque: 50 N·m

Hydraulic symbol



Electrical symbol

①

②

③

④

⑤

+24 Vdc

4 ÷ 20 mA

75% - N.O.
Digital output

100% - N.O.
Digital output

0 Vdc

Materials

- Body:

- Internal parts:

- Contacts:

- Seal:

Brass

Brass - Nylon

Silver

HNBR - FPM

Industry 4.0
READY

Technical data

- Max working pressure:

- Proof pressure:

- Burst pressure:

- Compatibility with fluids:

- Degree protection:

420 bar

630 bar

1260 bar

Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943

IP67 according to EN 60529

Electrical data

- Electrical connection:

- Power supply:

- Analogue output:

- Thermal lockout:

IEC 61076-2-101 D (M12)

24 Vdc

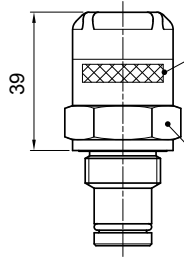
From 4 to 20 mA

30 °C (all output signals stalled up to 30 °C)

DVA

Visual Differential Indicator

Settings	Ordering code
1.2 bar ±10%	DVA 12 x P01
2.0 bar ±10%	DVA 20 x P01
5.0 bar ±10%	DVA 50 x P01
7.0 bar ±10%	DVA 70 x P01
9.5 bar ±10%	DVA 95 x P01

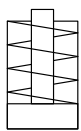


39

Green / Red
clogging indicator

A/F 28
Max tightening torque: 65 N·m

Hydraulic symbol



Materials

- Body:

- Internal parts:

- Contacts:

- Seal:

Brass

Brass - Nylon

Silver

HNBR - FPM

Technical data

- Reset:

- Max working pressure:

- Proof pressure:

- Burst pressure:

- Working temperature:

- Compatibility with fluids:

- Degree protection:

Automatic reset

420 bar

630 bar

1260 bar

From -25 °C to +110 °C

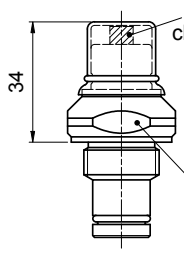
Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943

IP65 according to EN 60529

DVM

Visual Differential Indicator

Settings	Ordering code
1.2 bar ±10%	DV M 12 x P01
2.0 bar ±10%	DV M 20 x P01
5.0 bar ±10%	DV M 50 x P01
7.0 bar ±10%	DV M 70 x P01
9.5 bar ±10%	DV M 95 x P01

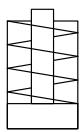


34

Red
clogging indicator

A/F 30
Max tightening torque: 65 N·m

Hydraulic symbol



Materials

- Body:

- Internal parts:

- Contacts:

- Seal:

Brass

Brass - Nylon

Silver

HNBR - FPM

Technical data

- Reset:

- Max working pressure:

- Proof pressure:

- Burst pressure:

- Working temperature:

- Compatibility with fluids:

- Degree protection:

Manual reset

420 bar

630 bar

1260 bar

From -25 °C to +110 °C

Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943

IP65 according to EN 60529

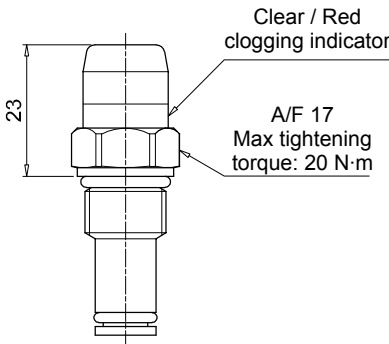
13

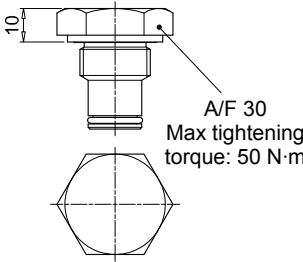
Clogging Indicators

ТОВ "Промислова Гідравліка": <https://promhydraulic.com.ua/ua/>
Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42

DIFFERENTIAL INDICATORS

Dimensions

DVS		Hydraulic symbol	Materials
Visual Differential Indicator			- Body: Brass - Internal parts: Brass - Nylon - Contacts: Silver - Seal: HNBR
Settings	Ordering code	Technical data	
2.5 bar ±10%	DV S 25 H P01	- Reset: Automatic reset - Max working pressure: 16 bar - Proof pressure: 24 bar - Burst pressure: 48 bar - Working temperature: From -25 °C to +110 °C - Compatibility with fluids: Mineral oils, Synthetic fluids - Degree protection: IP67 according to EN 60529	
4.0 bar ±10%	DV S 40 H P01		
			

T2		Materials
Indicator plug		- Body: Phosphatized steel - Seal: HNBR / FPM
Seal	Ordering code	
HNBR	T2 H	
FPM	T2 V	
		

DIFFERENTIAL INDICATORS

Series	Configuration example 1:	DE	H	50	F	A	70	P01
DE Electrical or Electronic differential indicator	Configuration example 2:	DE	M	50	H	F	50	P01
DL Electrical / Visual differential indicator	Configuration example 3:	DE	S	25	H	A	10	P01
DT Electronic differential indicator	Configuration example 4:	DL	E	70	V	A	71	P01
DV Visual differential indicator	Configuration example 5:	DT	A	50	H	F	70	P01
	Configuration example 6:	DV	M	95	V			P01
	Configuration example 7:	DV	S	40	H			P01

Type DE - DL - DT	DE	DL	DT	Type DV
A Standard type	•	•	•	A With automatic reset
E For high power supply		•		M With manual reset
H Hazardous area	•			S Compact version
M With wired electrical connection	•			
S Compact version	•			

Pressure setting	DEA	DEH	DEM	DES	DLA	DLE	DTA	DVA	DVM	DVS
12 1.2 bar	•		•		•	•	•	•	•	
20 2.0 bar	•		•		•	•	•	•	•	
25 2.5 bar				•						•
40 4.0 bar				•						•
50 5.0 bar	•	•	•		•	•	•	•	•	
70 7.0 bar	•	•	•		•	•	•	•	•	
95 9.5 bar	•		•		•	•	•	•	•	

Seals	DEA	DEH	DEM	DES	DLA	DLE	DTA	DVA	DVM	DVS
F MFQ		•								
H HNBR	•		•	•	•	•	•	•	•	•
V FPM	•	•	•		•	•	•	•	•	

Thermostat	DEA	DEH	DEM	DES	DLA	DLE	DTA
A Without		•	•	•	•	•	
F With thermostat				•		•	•

Electrical connections	DEA	DEH	DEM	DES	DLA	DLE	DTA
10 Connection AMP Superseal series 1.5				•	•		
20 Connection AMP Timer Junior				•			
30 Connection Deutsch DT-04-2-P				•	•		
35 Connection Deutsch DT-04-3-P				•			
48 Connection M20				•			
49 Connection 1/2" NPT				•			
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						•	
70 Connection IEC 61076-2-101 D (M12)		•					•
71 Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc						•	
80 Connection Stud #10-32 UNF				•			

Option
P01 MP Filtri standard
Pxx Customized

DESIGNATION & ORDERING CODE - DIFFERENTIAL INDICATOR PLUG

Series	Configuration example	T2	H
T2 Indicator plug			
Seals			
H HNBR			
V FPM			