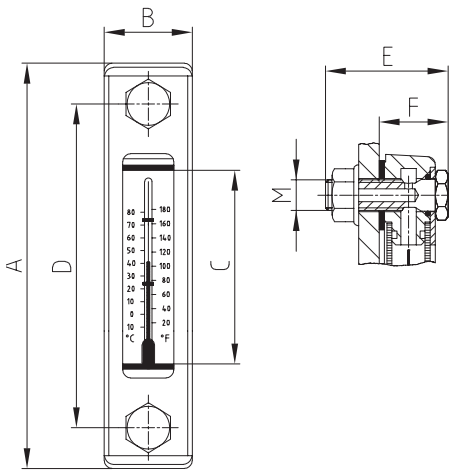
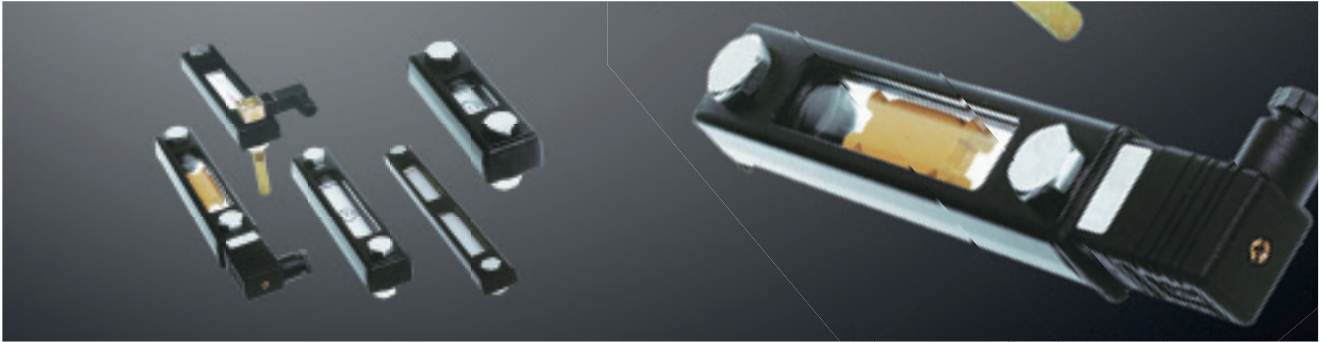
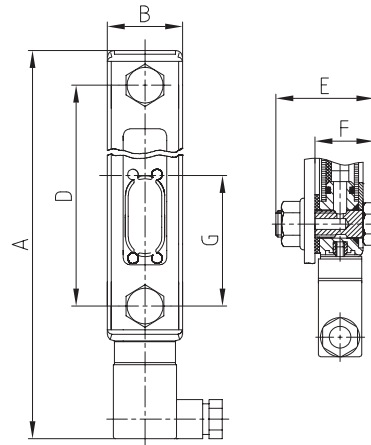


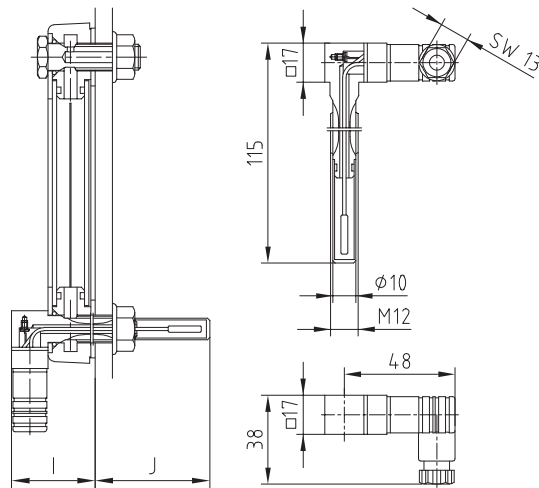
### Oil level indicator, filler and oil level sight glass



With (KOT) and without (KO) temperature indication



With visual/electrical monitoring of liquid level in the tank KOO/  
KOS



Combined with temperature switch TS60, TS70 or TS80

Oil level indicator										
Description	Dimensions [mm]								with TS	
	A	B	C	D	E	F	M	G	I	J
KO 01 / KOT 01	108		37	76				—	39	76
KO 02 / KOT 02	159	34	76	127	45	26	M12	—	—	—
KOO 02 / KOS 02	205			127				50	47	68
KO 03 / KOT 03	286		203	254				—	39	76

Any questions? Please contact us.

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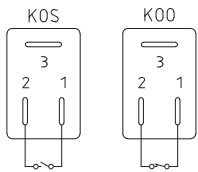
T +31 (0)74 - 760 11 11  
info@morskatedrivetechnology.com  
www.morskatedrivetechnology.com

## Technical data

KOT 01: display range +20 °C to +80 °C  
 KOT 02: display range  
 KOO: electric switch as break contact  
 KOS: electric switch as make contact  
 Operating range: -10 °C to +80 °C -10 °C to +80 °C

Recommended screw tightening torque: 8 Nm  
 preload pressure of tank max. 1 bar

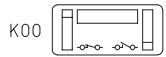
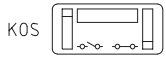
## Electrical connections and functions:



**Contact load:**  
 KOS max. 10 W  
 KOO max. 5 W

**Switching voltage:**  
 50 V AC/DC  
 Connection 3 not used

**Switching current:**  
 KOS max. 0,50 A  
 KOO max. 0,25 A  
 Line box with PG9  
 Protection class IP 65  
 Connection 3 not used



## Technical data (break contact) of the temperature switch:

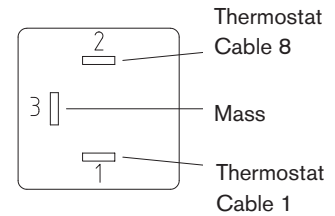
Switching temperature: TS 60: Switching temperature 60 °C / 140 °F  
 TS 70: Switching temperature 70 °C / 158 °F  
 Switching temperature 80 °C / 176 °F  
 Hysteresis: 20 °C  
 Tolerance of the shifting temperature: ± 5 °C

## Alternating current

- max. voltage - 250 V
- max. current with 10,000 circuits 2,5 A with  $\cos \phi = 1,0$   
 1,6 A with  $\cos \phi = 0,6$
- max. current with 100,000 circuits 0,5 A with  $\cos \phi = 1,0$   
 ~0,25 A with  $\cos \phi = 0,6$
- min. switching current 50 mA

## Direct current

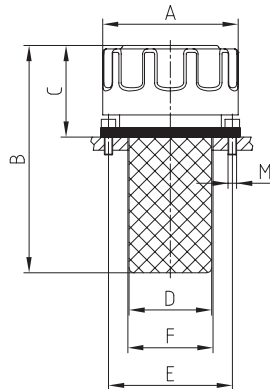
- max. voltage 42 V
- max. current with 10.000 circuits



## Ordering example:

KO	02	+ TS 80
Type [KO, KOT KOO or KOS]	Size [01, 02 or 03]	with temperature switch [TS 60, TS 70 or TS 80]

## KE 01 and KE 02 filter grade 10 µm

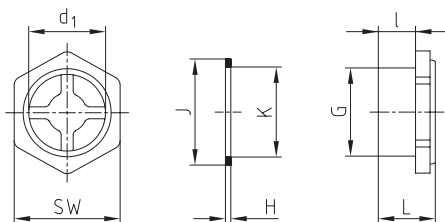


## Filler breather with air filter

Size	Dimensions [mm]						
	A	B	C	D	E	F	M
KE 01	44,5	110	48,5	28	41,3	30	3xM5
KE 02	79,9	134	54	48,7	73	53	6xM5

Air flow: KE 01 = 0,40 m³/min

KE 02 = 0,45 m³/min



## Oil level sight glass

Size	Dimensions [mm]							
	L	I	d1	G	H	J	K	SW
G <sup>1</sup> / <sub>2</sub> A	17,7	9,2	27,5	G <sup>1</sup> / <sub>2</sub>	2	27	21	27
G <sup>3</sup> / <sub>4</sub> A	18	9,2	23,8	G <sup>3</sup> / <sub>4</sub>	2	32	27	32
G1A	23,5	14	29	G1	2	40	34	40

## Ordering example:

Filler breather	KE 01
Type	Size

## Ordering example:

Oil level sight glass	G <sup>3</sup> / <sub>4</sub> A
Type	Size