

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull in	at 20°C	33		53	AT
Test equipment		KMS-14+PK002+SA002			

Special Product Data	Conditions	Min	Typ	Max	Unit
Contact - form		A - NO			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
operating voltage	DC or Peak AC			180	V
operating ampere	DC or Peak AC			1,25	A
Switching current	DC or Peak AC			0,5	A
Sensor-resistance	measured with 40% overdrive Sensor deactivated			280	mOhm
Housing material		PBT glass fibre reinforced			
Case color		white			
Sealing compound		Polyurethan			

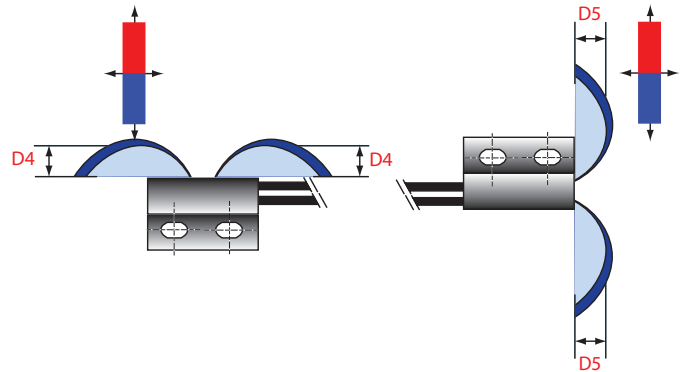
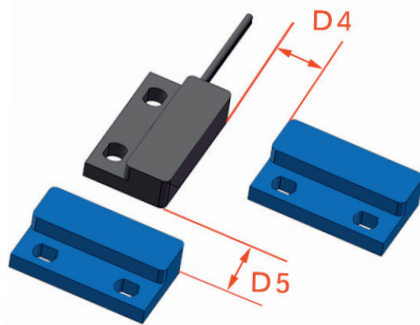
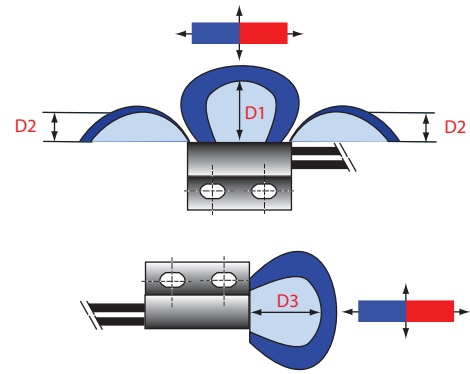
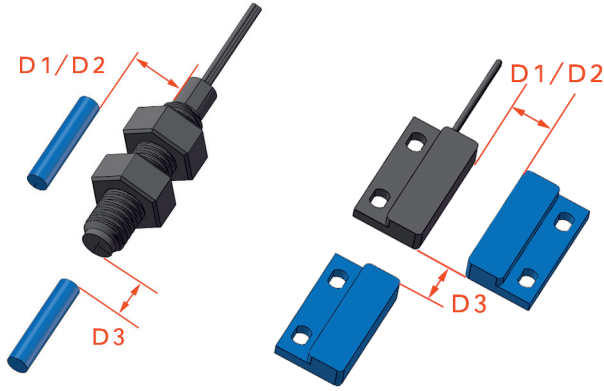
Environmental data	Conditions	Min	Typ	Max	Unit
Operating temperature	cable not moved	-30		70	°C
Operating temperature	cable moved	-5		70	°C
Storage temperature		-30		70	°C

Cable specification	Conditions	Min	Typ	Max	Unit
Cable typ		flat cable			
Cable material		PVC			
Cross section [mm²]		0,14			

General data	Conditions	Min	Typ	Max	Unit
Mounting advice		over 5m cable, a series resistor is recommended.			
mounting advice 1		Decreased switching distances by mounting on iron			
mounting advice 2		Magnetically conductive screws must not be used			
tightening torque	Screw M3 ISO 1207 Disk ISO 7089			0,5	Nm

Activate Distance

Resulting from position and movement of the actuator magnet.



Type	Part-No.	Magnetic Sensitivity mT	Position and Movement max. Pull-in Distance in mm					Position and Movement min. Drop-out Distance in mm				
			D1	D2	D3	D4	D5	D1	D2	D3	D4	D5
MK03-1A66B-500W	2232711054	> 1,70	15,0	6,5	9,3	8,5	8,5	17,5	8,0	11,4	10,1	10,1
MK03-1A66C-500W	2233711054	> 2,30	13,0	4,4	7,4	7,2	7,2	16,5	6,5	9,9	9,5	9,5
MK03-1A66D-500W	2234711054	> 2,70	11,0	4,0	5,7	6,5	6,5	14,5	5,5	8,5	9,0	9,0
MK03-1A66E-500W	2235711054	> 3,10	10,0	3,5	4,5	5,7	5,7	13,5	5,0	8,0	8,5	8,5
MK04-1A66B-500W	2242661054	> 1,70	15,0	6,5	9,3	8,5	8,5	17,5	8,0	11,4	10,1	10,1
MK04-1A66C-500W	2243711054	> 2,30	13,0	4,4	7,4	7,2	7,2	16,5	6,5	9,9	9,5	9,5
MK04-1A66D-500W	2244711054	> 2,70	11,0	4,0	5,7	6,5	6,5	14,5	5,5	8,5	9,0	9,0
MK04-1A66E-500W	2245661054	> 3,10	10,0	3,5	4,5	5,7	5,7	13,5	5,0	8,0	8,5	8,5
MK05-1A66B-500W	2252711054	> 1,70	15,0	6,5	9,3	8,5	8,5	17,5	8,0	11,4	10,1	10,1
MK05-1A66C-500W	2253711054	> 2,30	13,0	4,4	7,4	7,2	7,2	16,5	6,5	9,9	9,5	9,5
MK05-1A66D-500W	2254661054	> 2,70	11,0	4,0	5,7	6,5	6,5	14,5	5,5	8,5	9,0	9,0
MK05-1A66E-500W	2255661054	> 3,10	10,0	3,5	4,5	5,7	5,7	13,5	5,0	8,0	8,5	8,5
MK11/M8-1A66B-500W	9118266054	> 1,70	15,0	6,5	9,3	8,5	8,5	17,5	8,0	11,4	10,1	10,1
MK11/M8-1A66C-500W	9118366054	> 2,30	13,0	4,4	7,4	7,2	7,2	16,5	6,5	9,9	9,5	9,5
MK11/M8-1A66D-500W	9118066054	> 2,70	11,0	4,0	5,7	6,5	6,5	14,5	5,5	8,5	9,0	9,0
MK11/M8-1A66E-500W	9118566054	> 3,10	10,0	3,5	4,5	5,7	5,7	13,5	5,0	8,0	8,5	8,5
MK13-1A66B-500W	9132661054	> 1,70	15,0	6,5	9,3	8,5	8,5	17,5	8,0	11,4	10,1	10,1
MK13-1A66C-500W	9133711054	> 2,30	13,0	4,4	7,4	7,2	7,2	16,5	6,5	9,9	9,5	9,5
MK13-1A66D-500W	9134711054	> 2,70	11,0	4,0	5,7	6,5	6,5	14,5	5,5	8,5	9,0	9,0
MK13-1A66E-500W	9135661054	> 3,10	10,0	3,5	4,5	5,7	5,7	13,5	5,0	8,0	8,5	8,5

All distance data above are valid for the magnets below:

4003004003 / open cylindrical magnet, \varnothing 4x19 mm
 2500000002 / M2, screw magnet
 2500000004 / M4, screw magnet

2500000005 / M5, screw magnet
 2500000013 / M13, screw magnet
 2500000021 / M21, screw magnet

The table on this page contains only part of the MEDER sensor product range. Switching distances for other series, switch types, special sensors and with other magnets can be obtained upon request.