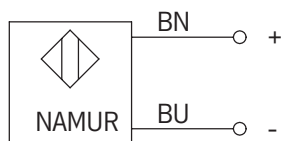
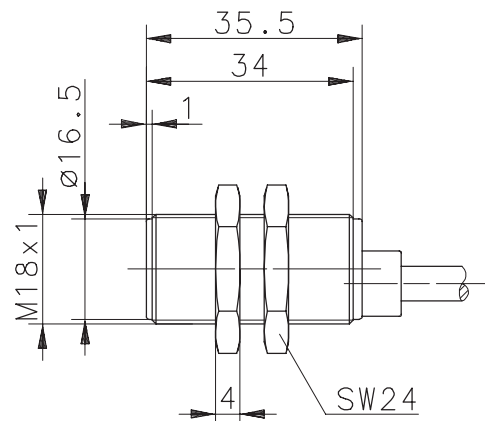
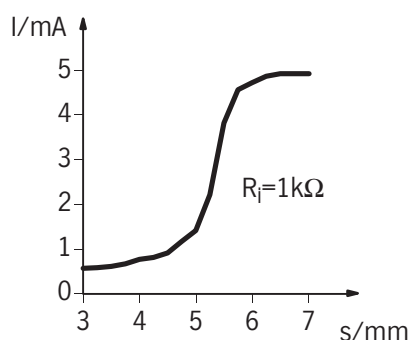


**Anschlußschema**



**Stromkennlinie**



**Kenndaten nach DIN EN 50227/06.1998**

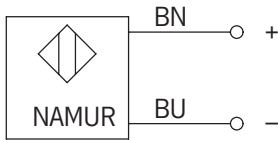
**Elektrische Daten**

Einbauart		bündig
Bemessungsschaltabstand	$s_n$	5mm (Schaltpunkt 1,5mA bei $U_n = 8V$ und $R_i = 1k\Omega$ )
Wiederholgenauigkeit	R	< 5%
Normmeßplatte		18 x 18 x 1mm (Länge x Breite x Höhe), Fe
Nennspannung	$U_n$	DC 8 V
Bemessungsbetriebsspannung	$U_e$	DC 5 ... 25V
Restwelligkeit		≤ 5%
Stromaufnahme	I	> 4mA ( $U_n = 8V$ und $R_i = 1k\Omega$ )    aktive Fläche frei < 1mA ( $U_n = 8V$ und $R_i = 1k\Omega$ )    aktive Fläche bedeckt
Schaltfrequenz	f	≤ 400Hz
Eigeninduktivität	$C_i$	60μH
Eigenkapazität	$L_i$	55nF

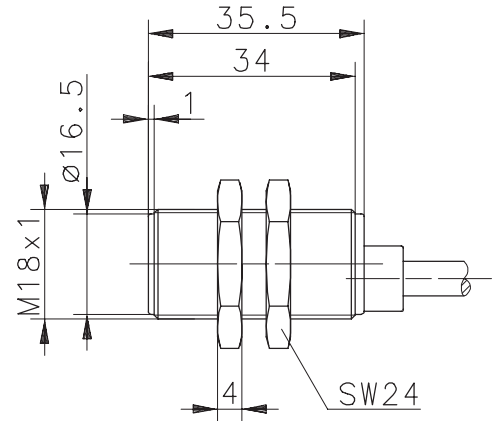
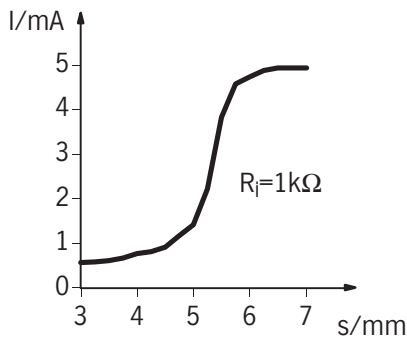
**Mechanische Daten**

Umgebungstemperatur	-25°C bis +70°C
Schutzart	IP 67
Schwingbeanspruchung	10 - 55Hz, a = 1mm
Schockbeanspruchung	30g, $t_{Stoß} = 11ms$
Frontkappe	PA 6.6, blau
Gehäuse	Messing, vernickelt
Abschlußkappe	PA 12, blau
Anschlußart	Kabel 2 x 0,5mm <sup>2</sup> x 2m; PVC-Mantel, blau
Befestigungshilfen	2 x Sechskantmutter

**Wiring Diagram**



**Current Characteristics**



**Technical Data according to DIN EN 50227/06.1998**

**Elektrical Data**

Mounting		flush
rated operating distance	$s_n$	5mm (switching point 1,5mA @ $U_n = 8V$ and $R_i = 1k\Omega$ )
Repeat accuracy	R	< 5%
Standard target		18 x 18 x 1mm (length x width x thickness), Fe
Rated voltage	$U_n$	DC 8 V
Rated operational voltage	$U_e$	DC 5 ... 25V
Ripple		≤ 5%
current input	I	> 4mA ( $U_n = 8V$ und $R_i = 1k\Omega$ ) sensing face free < 1mA ( $U_n = 8V$ und $R_i = 1k\Omega$ ) sensing face damping
Frequency of operating cycles	f	≤ 400Hz
Self-inductance	$C_i$	60μH
Self-capacitance	$L_i$	55nF

**Mechanical Data**

Operating temperature	-25°C bis +70°C
Type of protection	IP 67
vibratory stresses	10 - 55Hz, a = 1mm
shock resistance	30g, $t_{StoB} = 11ms$
Front cap	PA 6.6, blue
Housing	brass, nickel plated
End cap	PA 12, blue
Termination type	cable 2 x 0,5mm <sup>2</sup> x 2m; PVC - Outer jacket, blue
For attachment	2 x hexagon nut