







PROXIMITY SENSORS

QUICK

	INDUCTIVE					CAN-LINE
SIZE	M12x1	M18x1	M30x1.5	M40x1.5	40x26x12mm	100x40x40mm
						
SENSING						
Shielded Version Sn [mm]	2 mm	5 mm	10 mm	20 mm	2 mm	20 mm
Unshielded Version Sn [mm]	4 mm	8 mm	15 mm	25 mm	4 mm	
Proximity type Sn						
Barrier type Sn						
Hysteresis [%]	3 - 15 %	3 - 15 %	3 - 15 %	3 - 15 %	3 - 15 %	3 - 15 %
Temperature drift [%]	≤ 10 %	≤ 10 %	≤ 10 %	≤ 10 %	≤ 10 %	≤ 10 %
Repeatability [%]	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %	≤ 5 %
TYPES AVAILABLE						
Namur (to DIN 19234)	✓	✓	✓	✓	✓	
AC 2-wire (NO or NC)		✓	✓	✓		
DC PNP 3-wire (NO or NC)	✓	✓	✓	✓	✓	
DC PNP 4-wire (NO & NC)		✓	✓	✓		2 x NO
DC NPN 3-wire (NO or NC)	✓	✓	✓	✓	✓	
DC NPN 4-wire (NO & NC)		✓	✓	✓		2 x NO
INTERFACE DETAILS						
AC 2-wire type: 20-250V		✓	✓	✓		
Continuous current [mA]		400mA (≤ 30°C)	400mA (≤ 30°C)	400mA (≤ 30°C)		
Surge current [A] (20mS/0,5Hz)		2A	2A	2A		
On-State voltage drop [V]		≤ 6,5 V	≤ 6,5 V	≤ 6,5 V		
Quiescent current [mA]		≤ 2.5 mA	≤ 2.5 mA	≤ 2.5 mA		
Minimum load [mA]		10mA	10 mA	10mA		
Max Switching speed [Hz]		25 Hz	25 Hz	25 Hz		
DC type: 10-60V DC	✓	✓	✓	✓	✓	10 - 40 VDC
Max. Continuous Load [mA]	400 mA	400 mA	400 mA	400 mA	400 mA	400 mA
Quiescent current [mA]	≤ 10 mA	≤ 10 mA	≤ 10 mA	≤ 10 mA	≤ 10 mA	≤ 10 mA
On-state voltage drop [V]	≤ 2 V	≤ 2 V	≤ 2 V	≤ 2 V	≤ 2 V	≤ 2 V
Reverse polarity protected	✓	✓	✓	✓	✓	✓
Over load protected	✓	✓	✓	✓	✓	✓
Switching speed [Hz]	2 kHz	1 kHz	500 Hz	500 Hz	2 kHz	50 cans/sec
RHOMBERG INTERFACE MODULES						
for Namur sensors:	SC230/300/320	SC230/300/320	SC230/300/320	SC230/300/320	SC230/300/320	
for Opto-electronic sensors:						
for DC sensors:	SC314	SC314	SC314	SC314	SC314	
for Conductive liquids:						
SENSOR BODY						
Aluminum (anodised)	Standard	Standard	Standard	Standard		
Nickel plated brass	By special order	By special order	By special order	By special order		
Stainless steel	By special order	By special order	By special order	By special order		
Plastic					Standard	Standard
Protection class (DIN 40050)	IP68	IP68	IP68	IP68	IP67	IP67
Output indication	✓	✓	✓	✓	✓	✓
Operating temp. -20 to 70°C	✓	✓	✓	✓	✓	✓

