

- ▶ Ideal for counting tasks with objects of varying sizes
- ▶ Static functionality
- ▶ Compensates to changing environment via Self-Teach (no elaborate manual settings)
- ▶ Modular size systems from 40 x 40mm to 400 x 400mm



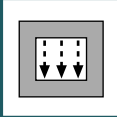
**STATIC
FRAME SENSOR RLSM**

▶ TECHNICAL DATA

MODEL	RLSMxxx-yyy-B
Operating voltage	15...30 VDC, reverse polarity protection
Current consumption	< 400mA, depending on the passive length
Output	PNP and NPN at the same time, 200mA, short circuit proof
Functional principle	static
Switching function	dark-on, NO/NC selectable
Light type	infrared, pulsed
Function indicator	operation LED green output signal LED yellow alarm LED red
Pulse stretching (only dyn. function)	50ms, selectable
Operating temperature	-10°C to +55°C
Protection class	IP65
Active range	different sizes
Housing material	aluminium, black anodized
Filter material	PMMA
Connector	M8 locking device, 4pin *

* supply cable to be ordered separately

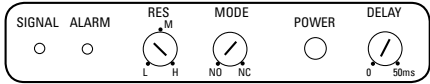
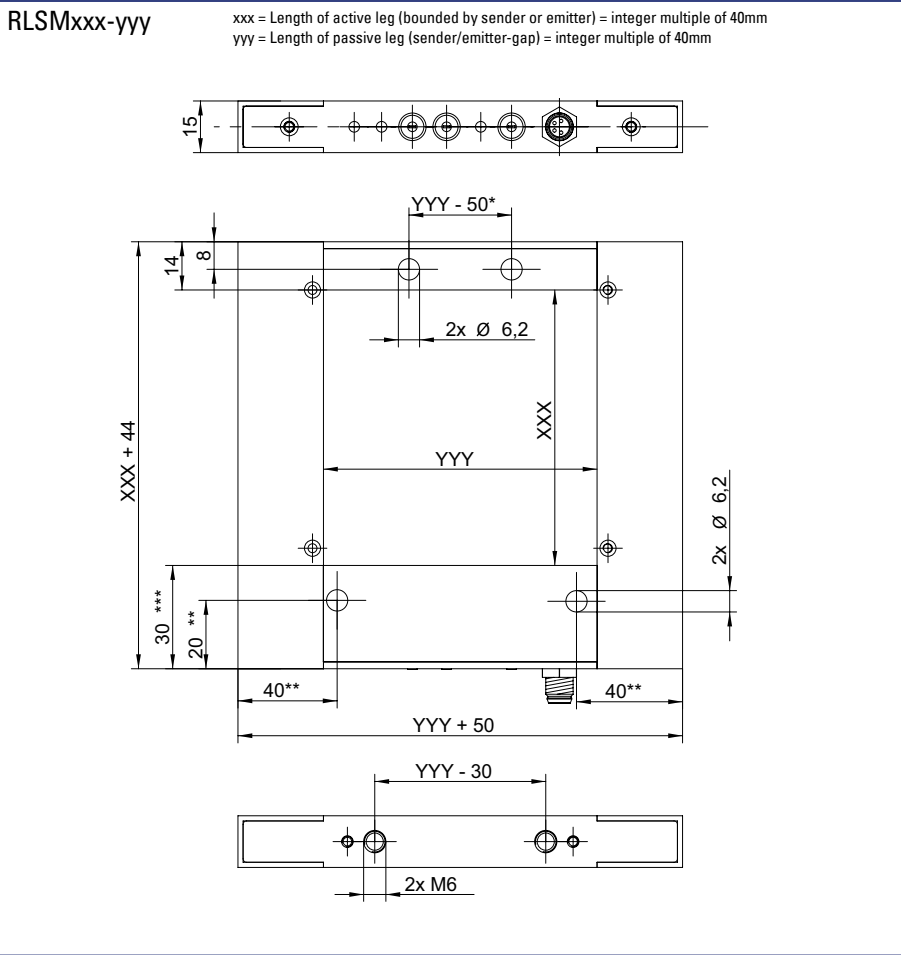
active length xxx (mm)	40	80	120	160	200	360	400
response time (ms)	0,25	0,5	0,75	1,0	1,25	1,125	1,25
counting frequency (Hz)	2000	1000	667	500	400	444	400
resolution (mm) - switch position:							
high (H)	2	2	2	2	2	4	4
medium (M)	4	4	4	4	4	8	8
low (L)	8	8	8	8	8	16	16



RLSMxxx-yyy-B

► **DIMENSIONS** Measurements in mm. Subject to technical change.

► **OPERATING CONTROLS**

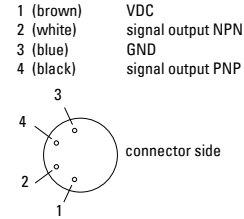
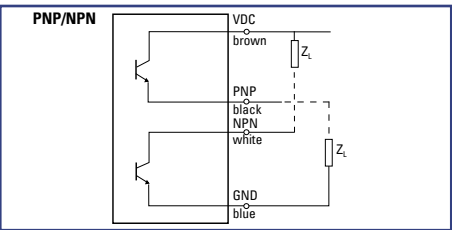


- power supply indicator (Power) LED green
- function indicator (Signal) LED yellow
- alarm indicator (Alarm) LED red
- resolution (Res) low (L), medium (M), high (H)
- switching function (Mode) close (NO), open (NC)
- pulse stretching (Delay) off (0), 50ms

* mounting holes do not exist for YYY < 080
 ** mounting holes do not exist for YYY < 120
 *** 40mm for YYY = 040

► **CONNECTION DIAGRAM**

► **PIN CONNECTION**



PART DESIGNATION Model **xxx** - **yyy** - **BP/N**

xxx = length of the active sides (contains emitter and receiver LED's) = multiple of 80mm
 yyy = length of the passive sides (emitter/receiver distance) = multiple of 80mm

ORDER EXAMPLE **RLSM120-120-BP/N** = modular frame sensor 120mm-120mm - static output PNP and NPN
 Please do not forget to order the appropriate power supply cable (see accessories).

priority models:
 RLSM040-040-BP/N
 RLSM080-080-BP/N
 RLSM120-120-BP/N
 RLSM160-160-BP/N
 RLSM200-200-BP/N

Other dimensions available on request!