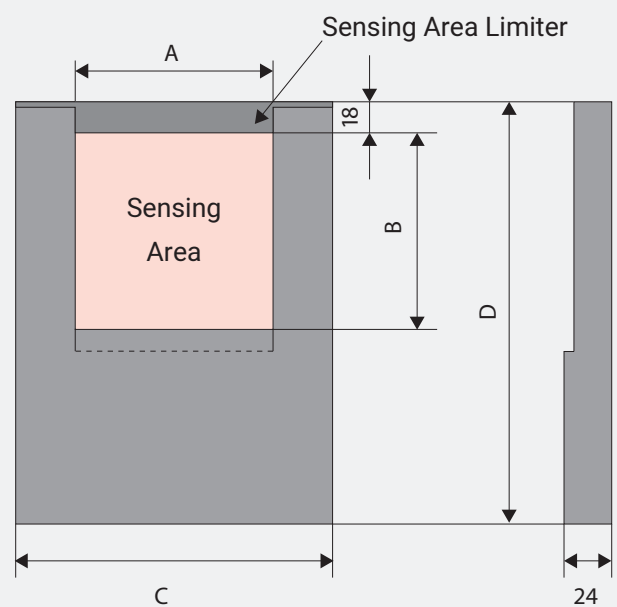# Light Curtain LV..M
Detecting and Counting Any Kind of Small Objects

- Gapless sensing area
- High operational reliability
- High sampling rate
- Position and orientation independent object detection
- Detection of complicated shapes
- Avoidance of multiple counts
- Detection of small objects (minimum ø0.6mm)
- Detection of stuck objects
- Contamination monitoring with warning signal
- Integrated function monitoring (Watchdog)
- Insensitive to environmental influences
- Operation with and without sensing area limiter

- Three adjustable response sensitivity levels
- Selection of active response sensitivity level by digital inputs or mode switch
- Response sensitivity not affected by continuous contamination
- Flexible configurable D-Sub interface
- Isolated optocoupler outputs and inputs
- Available in various dimensions
- For small sensing field (minimum 30x30mm) or tight space conditions available with external control unit (LVE)
- Robust metal housing
- Supply voltage: +24V

Part Name	Minimum Object Size	Sensing Area A x B in mm	External Dimensions C x D in mm
LV100M	1mm	100x100	160x213
LV150M	1mm	150x100	210x213
LV200M	1mm	200x100	260x213
LV250M	1mm	250x100	310x213
LV300M	2mm	300x100	360x213
LV100/50M	0.6mm	100x52	160x165
LV150/50M	0.6mm	150x52	210x165
LV150/150M	2mm	150x150	210x263
LV200/200M	3mm	200x200	260x313
LV250/250M	5mm	250x250	310x363
LV300/200M	4mm	300x200	360x313
LV400/400M	8mm	400x400	460x513
LVE30/30M	0.6mm	30x30	90x91
LVE50/50M	0.6mm	50x50	110x115

Sensing Area Limiter