



## MLG-2 ProNet

Less effort and greater flexibility via integrated interfaces

MEASURING AUTOMATION LIGHT GRIDS

**SICK**  
Sensor Intelligence.



### Technical data overview

|                                |   |
|--------------------------------|---|
| <b>Communication interface</b> | Ethernet<br>CANopen<br>EtherCAT®<br>PROFIBUS DP (DPV1)<br>PROFIBUS DP (DPV0)<br>EtherNet/IP™<br>PROFINET<br>Serial (RS-485) |
| <b>Beam separation</b>         | 2.5 mm ... 50 mm (depending on type)  |
| <b>Operating range</b>         | 2 m<br>5 m<br>8.5 m   |
| <b>Detection height</b>        | 140 mm ... 3,140 mm (depending on type)   |
| <b>Response time</b>           | 3.5 ms ... 40.6 ms (depending on type)  |

### Product description

With increasing levels of automation of systems or machines, the cabling work required also rises, which in turn increases the amount of project planning, installation, commissioning and maintenance work required. MLG-2 ProNet from SICK offers all the advantages of a measuring automation light grid now with integrated interfaces such as PROFINET, EtherCAT, Ethernet/IP, CANopen and PROFIBUS. Commissioning is quick and easy thanks to suitable function blocks. In the configuration software SOPAS, solutions are pre-installed allowing even complex applications like lens width measurement to be easily configured. Automatic format conversion via fieldbus is also possible. With MLG-2 ProNet, SICK is offering a suitable solution for a variety of applications in production logistics and machinery construction.

### At a glance

- System self-diagnosis possible
- High-resolution light grid with 2.5 mm, 5 mm, 10 mm, 20 mm, 25 mm, 30 mm and 50 mm beam separation
- "High speed scan" function with three scan speeds
- "Transparent mode" function for detection of transparent objects
- Measuring cross-beam, measuring 4 x zones, 2 x holding functions
- Data compression: Run length coding

### Your benefits

- Reduced cabling work saves time in planning and installation.
- Acyclic data communication enables access to diagnostic functions and format conversion.
- Integrated interfaces and suitable function blocks reduce commissioning work
- "High measurement accuracy" function for reliable detection of small objects
- "Transparent mode" function for reliable detection and measurement of transparent objects
- Configuration software SOPAS for more functions and direct access to MLG-2 ProNet
- "High speed scan" function offers fast response time for safe detection of fast objects
- Extensions or adjustments are easily carried out, guaranteeing flexibility and future viability

### Fields of application

- Packaging industry: Robot control and 3D measurement
- Logistics: Volume measurement
- Logistics: Package orientation
- Logistics: Height and overhang measurement for dynamic warehouse systems
- Machine tools: Measurement of workpieces and tools
- Traffic technology: Separation and classification
- Food and drink industry: Bottle recognition
- Machine tools: Measurement of track widths

## Ordering information

Other models and accessories → [www.sick.com/MLG-2\\_ProNet](http://www.sick.com/MLG-2_ProNet)

- **Version:** ProNet
- **Communication interface:** Ethernet, CANopen
- **Option:** Nonexistent

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 2.5 mm          | 2 m             | 145 mm           | MLG02N-0145C13201 | 1217824  |
|                 |                 | 295 mm           | MLG02N-0295C13201 | 1217825  |
|                 |                 | 445 mm           | MLG02N-0445C13201 | 1106825  |
|                 |                 | 895 mm           | MLG02N-0895C13201 | 1217826  |
| 5 mm            | 5 m             | 145 mm           | MLG05N-0145C10501 | 1217251  |
|                 |                 | 295 mm           | MLG05N-0295C10501 | 1217827  |
|                 |                 | 745 mm           | MLG05N-0745C10501 | 1217082  |
|                 |                 | 895 mm           | MLG05N-0895C10501 | 1217828  |
|                 |                 | 1,945 mm         | MLG05N-1945C10501 | 1217829  |
| 10 mm           | 5 m             | 140 mm           | MLG10N-0140C10501 | 1217053  |
|                 |                 | 290 mm           | MLG10N-0290C10501 | 1217833  |
|                 |                 | 890 mm           | MLG10N-0890C10501 | 1217834  |
|                 |                 | 1,940 mm         | MLG10N-1940C10501 | 1217835  |
|                 |                 | 2,090 mm         | MLG10N-2090C10501 | 1221358  |
|                 |                 | 3,140 mm         | MLG10N-3140C10501 | 1218513  |

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 20 mm           | 5 m             | 140 mm           | MLG20N-0140C10501 | 1217842  |
|                 |                 | 280 mm           | MLG20N-0280C10501 | 1217843  |
|                 |                 | 440 mm           | MLG20N-0440C10501 | 1107618  |
|                 |                 | 580 mm           | MLG20N-0580C10501 | 1217844  |
|                 |                 | 740 mm           | MLG20N-0740C10501 | 1220840  |
|                 |                 | 880 mm           | MLG20N-0880C10501 | 1220913  |
|                 |                 | 1,040 mm         | MLG20N-1040C10501 | 1217782  |
|                 |                 | 1,180 mm         | MLG20N-1180C10501 | 1217845  |
|                 |                 | 1,940 mm         | MLG20N-1940C10501 | 1217783  |
|                 |                 | 2,080 mm         | MLG20N-2080C10501 | 1217846  |
| 25 mm           | 5 m             | 2,525 mm         | MLG25N-2525C10501 | 1219026  |
| 30 mm           | 5 m             | 270 mm           | MLG30N-0270C10501 | 1217918  |
|                 |                 | 570 mm           | MLG30N-0570C10501 | 1217919  |
|                 |                 | 1,170 mm         | MLG30N-1170C10501 | 1217920  |
|                 |                 | 2,070 mm         | MLG30N-2070C10501 | 1217921  |
| 50 mm           | 5 m             | 700 mm           | MLG50N-0700C10501 | 1107772  |
|                 |                 | 1,000 mm         | MLG50N-1000C10501 | 1218751  |
|                 |                 | 2,500 mm         | MLG50N-2500C10501 | 1222745  |
|                 |                 | 3,100 mm         | MLG50N-3100C10501 | 1222959  |

- **Version:** ProNet
- **Communication interface:** Ethernet, EtherCAT®
- **Option:** Nonexistent

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 2.5 mm          | 2 m             | 145 mm           | MLG02N-0145E13201 | 1216796  |
|                 |                 | 295 mm           | MLG02N-0295E13201 | 1217801  |
|                 |                 | 445 mm           | MLG02N-0445E13201 | 1217518  |
|                 |                 | 595 mm           | MLG02N-0595E13201 | 1222099  |
|                 |                 | 745 mm           | MLG02N-0745E13201 | 1222087  |
|                 |                 | 895 mm           | MLG02N-0895E13201 | 1217266  |
|                 |                 | 1,045 mm         | MLG02N-1045E13201 | 1222518  |
|                 |                 | 1,195 mm         | MLG02N-1195E13201 | 1216975  |
| 5 mm            | 5 m             | 145 mm           | MLG05N-0145E10501 | 1216920  |
|                 |                 | 295 mm           | MLG05N-0295E10501 | 1217371  |
|                 |                 | 445 mm           | MLG05N-0445E10501 | 1219487  |
|                 |                 | 595 mm           | MLG05N-0595E10501 | 1221302  |
|                 |                 | 745 mm           | MLG05N-0745E10501 | 1218305  |
|                 |                 | 895 mm           | MLG05N-0895E10501 | 1222982  |
|                 |                 | 1,195 mm         | MLG05N-1195E10501 | 1218158  |
|                 |                 | 1,345 mm         | MLG05N-1345E10501 | 1218306  |
|                 | 5 m             | 1,495 mm         | MLG05N-1495E10501 | 1221780  |
|                 |                 | 1,645 mm         | MLG05N-1645E10501 | 1220834  |
|                 |                 | 1,945 mm         | MLG05N-1945E10501 | 1105430  |
|                 |                 | 2,245 mm         | MLG05N-2245E10501 | 1221544  |

| Beam separation | Operating range | Detection height | Type              | Part no.          |
|-----------------|-----------------|------------------|-------------------|-------------------|
| 10 mm           | 5 m             | 140 mm           | MLG10N-0140E10501 | 1216566           |
|                 |                 | 290 mm           | MLG10N-0290E10501 | 1217124           |
|                 |                 | 440 mm           | MLG10N-0440E10501 | 1221995           |
|                 |                 | 590 mm           | MLG10N-0590E10501 | 1223108           |
|                 |                 | 740 mm           | MLG10N-0740E10501 | 1218307           |
|                 |                 | 890 mm           | MLG10N-0890E10501 | 1218715           |
|                 |                 | 1,190 mm         | MLG10N-1190E10501 | 1221532           |
|                 |                 | 1,340 mm         | MLG10N-1340E10501 | 1217639           |
|                 |                 | 1,490 mm         | MLG10N-1490E10501 | 1218682           |
|                 |                 | 1,790 mm         | MLG10N-1790E10501 | 1105739           |
|                 |                 | 1,940 mm         | MLG10N-1940E10501 | 1105740           |
|                 |                 | 2,224 mm         | MLG10N-2224E10501 | 1219313           |
|                 |                 | 2,240 mm         | MLG10N-2240E10501 | 1219352           |
| 20 mm           | 5 m             | 140 mm           | MLG20N-0140E10501 | 1217890           |
|                 |                 | 280 mm           | MLG20N-0280E10501 | 1217891           |
|                 |                 | 580 mm           | MLG20N-0580E10501 | 1217892           |
|                 |                 | 1,180 mm         | MLG20N-1180E10501 | 1217893           |
|                 |                 | 1,780 mm         | MLG20N-1780E10501 | 1105738           |
|                 |                 | 1,940 mm         | MLG20N-1940E10501 | 1220887           |
|                 |                 | 2,080 mm         | MLG20N-2080E10501 | 1217894           |
|                 |                 | 2,225 mm         | MLG20N-2225E10501 | 1219314           |
|                 |                 | 2,240 mm         | MLG20N-2240E10501 | 1219351           |
|                 |                 | 8.5 m            | 1,780 mm          | MLG20N-1780E10801 |

| Beam separation | Operating range   | Detection height | Type              | Part no. |                   |         |
|-----------------|-------------------|------------------|-------------------|----------|-------------------|---------|
| 25 mm           | 5 m               | 275 mm           | MLG25N-0275E10501 | 1217344  |                   |         |
|                 |                   | 425 mm           | MLG25N-0425E10501 | 1222736  |                   |         |
|                 |                   | 725 mm           | MLG25N-0725E10501 | 1220208  |                   |         |
|                 |                   | 1,325 mm         | MLG25N-1325E10501 | 1107074  |                   |         |
|                 |                   | 1,475 mm         | MLG25N-1475E10501 | 1221955  |                   |         |
|                 |                   | 1,625 mm         | MLG25N-1625E10501 | 1217343  |                   |         |
|                 |                   | 1,775 mm         | MLG25N-1775E10501 | 1221819  |                   |         |
|                 |                   | 1,925 mm         | MLG25N-1925E10501 | 1217535  |                   |         |
|                 |                   | 2,075 mm         | MLG25N-2075E10501 | 1221027  |                   |         |
|                 |                   | 2,225 mm         | MLG25N-2225E10501 | 1219361  |                   |         |
|                 |                   | 2,525 mm         | MLG25N-2525E10501 | 1216568  |                   |         |
|                 |                   | 2,975 mm         | MLG25N-2975E10501 | 1107593  |                   |         |
|                 |                   |                  | 8.5 m             | 725 mm   | MLG25N-0725E10801 | 1217312 |
|                 |                   | 30 mm            | 5 m               | 270 mm   | MLG30N-0270E10501 | 1217895 |
| 570 mm          | MLG30N-0570E10501 |                  |                   | 1217896  |                   |         |
| 720 mm          | MLG30N-0720E10501 |                  |                   | 1106769  |                   |         |
| 870 mm          | MLG30N-0870E10501 |                  |                   | 1222643  |                   |         |
| 1,170 mm        | MLG30N-1170E10501 |                  |                   | 1217897  |                   |         |
| 1,320 mm        | MLG30N-1320E10501 |                  |                   | 1221425  |                   |         |
| 2,070 mm        | MLG30N-2070E10501 |                  |                   | 1217898  |                   |         |

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 50 mm           | 5 m             | 250 mm           | MLG50N-0250E10501 | 1217087  |
|                 |                 | 1,000 mm         | MLG50N-1000E10501 | 1105546  |
|                 |                 | 1,150 mm         | MLG50N-1150E10501 | 1222056  |
|                 |                 | 1,300 mm         | MLG50N-1300E10501 | 1222023  |
|                 |                 | 1,600 mm         | MLG50N-1600E10501 | 1222085  |
|                 |                 | 1,750 mm         | MLG50N-1750E10501 | 1222024  |
|                 | 8.5 m           | 400 mm           | MLG50N-0400E10801 | 1217331  |
|                 |                 | 1,750 mm         | MLG50N-1750E10801 | 1217270  |

- **Version:** ProNet
- **Communication interface:** Ethernet, PROFIBUS DP (DPV1)
- **Option:** Nonexistent

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 2.5 mm          | 2 m             | 145 mm           | MLG02N-0145P13201 | 1217818  |
|                 |                 | 295 mm           | MLG02N-0295P13201 | 1217819  |
|                 |                 | 445 mm           | MLG02N-0445P13201 | 1221737  |
|                 |                 | 895 mm           | MLG02N-0895P13201 | 1217820  |



| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 5 mm            | 5 m             | 145 mm           | MLG05N-0145P10501 | 1217252  |
|                 |                 | 295 mm           | MLG05N-0295P10501 | 1217821  |
|                 |                 | 895 mm           | MLG05N-0895P10501 | 1217822  |
|                 |                 | 1,045 mm         | MLG05N-1045P10501 | 1220972  |
|                 |                 | 1,195 mm         | MLG05N-1195P10501 | 1219996  |
|                 |                 | 1,345 mm         | MLG05N-1345P10501 | 1219701  |
|                 |                 | 1,795 mm         | MLG05N-1795P10501 | 1220284  |
|                 |                 | 1,945 mm         | MLG05N-1945P10501 | 1217823  |
|                 |                 | 2,095 mm         | MLG05N-2095P10501 | 1106410  |
|                 |                 | 2,245 mm         | MLG05N-2245P10501 | 1106899  |
|                 |                 | 2,545 mm         | MLG05N-2545P10501 | 1220577  |

| Beam separation | Operating range | Detection height | Type              | Part no.          |
|-----------------|-----------------|------------------|-------------------|-------------------|
| 10 mm           | 5 m             | 140 mm           | MLG10N-0140P10501 | 1217108           |
|                 |                 | 290 mm           | MLG10N-0290P10501 | 1217830           |
|                 |                 | 440 mm           | MLG10N-0440P10501 | 1221349           |
|                 |                 | 590 mm           | MLG10N-0590P10501 | 1221139           |
|                 |                 | 740 mm           | MLG10N-0740P10501 | 1222617           |
|                 |                 | 890 mm           | MLG10N-0890P10501 | 1217831           |
|                 |                 | 1,040 mm         | MLG10N-1040P10501 | 1222616           |
|                 |                 | 1,190 mm         | MLG10N-1190P10501 | 1219995           |
|                 |                 | 1,340 mm         | MLG10N-1340P10501 | 1219884           |
|                 |                 | 1,490 mm         | MLG10N-1490P10501 | 1219997           |
|                 |                 | 1,640 mm         | MLG10N-1640P10501 | 1222615           |
|                 |                 | 1,790 mm         | MLG10N-1790P10501 | 1221679           |
|                 |                 | 1,940 mm         | MLG10N-1940P10501 | 1217832           |
|                 |                 | 2,390 mm         | MLG10N-2390P10501 | 1220207           |
|                 |                 | 8.5 m            | 440 mm            | MLG10N-0440P10801 |
|                 | 740 mm          |                  | MLG10N-0740P10801 | 1221088           |

| Beam separation | Operating range | Detection height | Type              | Part no.          |
|-----------------|-----------------|------------------|-------------------|-------------------|
| 20 mm           | 5 m             | 140 mm           | MLG20N-0140P10501 | 1217837           |
|                 |                 | 280 mm           | MLG20N-0280P10501 | 1217838           |
|                 |                 | 580 mm           | MLG20N-0580P10501 | 1217839           |
|                 |                 | 740 mm           | MLG20N-0740P10501 | 1222618           |
|                 |                 | 880 mm           | MLG20N-0880P10501 | 1105798           |
|                 |                 | 1,180 mm         | MLG20N-1180P10501 | 1217840           |
|                 |                 | 1,340 mm         | MLG20N-1340P10501 | 1222731           |
|                 |                 | 2,080 mm         | MLG20N-2080P10501 | 1217841           |
|                 |                 | 2,380 mm         | MLG20N-2380P10501 | 1221691           |
|                 |                 | 8.5 m            | 1,040 mm          | MLG20N-1040P10801 |
| 25 mm           | 5 m             | 275 mm           | MLG25N-0275P10501 | 1217912           |
|                 |                 | 575 mm           | MLG25N-0575P10501 | 1217913           |
|                 |                 | 725 mm           | MLG25N-0725P10501 | 1222206           |
|                 |                 | 1,475 mm         | MLG25N-1475P10501 | 1222207           |
|                 |                 | 2,075 mm         | MLG25N-2075P10501 | 1219332           |

| Beam separation | Operating range   | Detection height | Type              | Part no.          |                   |
|-----------------|-------------------|------------------|-------------------|-------------------|-------------------|
| 30 mm           | 5 m               | 270 mm           | MLG30N-0270P10501 | 1217914           |                   |
|                 |                   | 570 mm           | MLG30N-0570P10501 | 1217915           |                   |
|                 |                   | 720 mm           | MLG30N-0720P10501 | 1218939           |                   |
|                 |                   | 870 mm           | MLG30N-0870P10501 | 1222337           |                   |
|                 |                   | 1,020 mm         | MLG30N-1020P10501 | 1220832           |                   |
|                 |                   | 1,170 mm         | MLG30N-1170P10501 | 1217916           |                   |
|                 |                   | 1,320 mm         | MLG30N-1320P10501 | 1222773           |                   |
|                 |                   | 1,470 mm         | MLG30N-1470P10501 | 1218443           |                   |
|                 |                   | 1,620 mm         | MLG30N-1620P10501 | 1220432           |                   |
|                 |                   | 1,770 mm         | MLG30N-1770P10501 | 1218442           |                   |
|                 |                   | 2,070 mm         | MLG30N-2070P10501 | 1217917           |                   |
|                 |                   | 2,520 mm         | MLG30N-2520P10501 | 1219893           |                   |
|                 |                   | 50 mm            | 5 m               | 850 mm            | MLG50N-0850P10501 |
| 1,000 mm        | MLG50N-1000P10501 |                  |                   | 1220831           |                   |
| 1,300 mm        | MLG50N-1300P10501 |                  |                   | 1220830           |                   |
| 1,450 mm        | MLG50N-1450P10501 |                  |                   | 1222495           |                   |
| 1,600 mm        | MLG50N-1600P10501 |                  |                   | 1222474           |                   |
| 2,200 mm        | MLG50N-2200P10501 |                  |                   | 1109080           |                   |
| 2,350 mm        | MLG50N-2350P10501 |                  |                   | 1219845           |                   |
| 2,500 mm        | MLG50N-2500P10501 |                  |                   | 1218723           |                   |
| 8.5 m           | 850 mm            |                  |                   | MLG50N-0850P10801 | 1221822           |
|                 | 1,450 mm          |                  |                   | MLG50N-1450P10801 | 1222494           |
|                 | 3,100 mm          |                  | MLG50N-3100P10801 | 1220431           |                   |

- **Version:** ProNet
- **Communication interface:** Ethernet, PROFIBUS DP (DPV0)
- **Option:** Nonexistent

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 5 mm            | 5 m             | 145 mm           | MLG05N-0145P10502 | 1219881  |
| 10 mm           | 5 m             | 290 mm           | MLG10N-0290P10502 | 1222052  |
|                 |                 | 440 mm           | MLG10N-0440P10502 | 1222034  |
|                 |                 | 740 mm           | MLG10N-0740P10502 | 1221262  |
|                 |                 | 1,040 mm         | MLG10N-1040P10502 | 1221360  |
|                 |                 | 1,490 mm         | MLG10N-1490P10502 | 1108351  |
|                 | 5 m             | 1,640 mm         | MLG10N-1640P10502 | 1222659  |
|                 |                 | 1,940 mm         | MLG10N-1940P10502 | 1221359  |
|                 |                 | 2,090 mm         | MLG10N-2090P10502 | 1223266  |
|                 |                 | 2,240 mm         | MLG10N-2240P10502 | 1222732  |
|                 |                 | 2,390 mm         | MLG10N-2390P10502 | 1220951  |
| 20 mm           | 5 m             | 740 mm           | MLG20N-0740P10502 | 1222660  |
|                 |                 | 1,040 mm         | MLG20N-1040P10502 | 1223323  |
| 30 mm           | 5 m             | 570 mm           | MLG30N-0570P10502 | 1108356  |
|                 |                 | 720 mm           | MLG30N-0720P10502 | 1220952  |
|                 |                 | 870 mm           | MLG30N-0870P10502 | 1105744  |
|                 |                 | 1,020 mm         | MLG30N-1020P10502 | 1221703  |
|                 |                 | 1,320 mm         | MLG30N-1320P10502 | 1222940  |
|                 |                 | 1,470 mm         | MLG30N-1470P10502 | 1109053  |
|                 |                 | 1,770 mm         | MLG30N-1770P10502 | 1221705  |
|                 |                 | 2,070 mm         | MLG30N-2070P10502 | 1106992  |
|                 |                 | 2,520 mm         | MLG30N-2520P10502 | 1105841  |

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 50 mm           | 5 m             | 400 mm           | MLG50N-0400P10502 | 1222899  |
|                 |                 | 700 mm           | MLG50N-0700P10502 | 1222051  |
|                 |                 | 850 mm           | MLG50N-0850P10502 | 1222630  |
|                 |                 | 1,000 mm         | MLG50N-1000P10502 | 1220953  |
|                 |                 | 1,150 mm         | MLG50N-1150P10502 | 1222631  |
|                 |                 | 1,300 mm         | MLG50N-1300P10502 | 1220954  |
|                 |                 | 1,450 mm         | MLG50N-1450P10502 | 1222608  |
|                 |                 | 1,750 mm         | MLG50N-1750P10502 | 1222632  |
|                 |                 | 1,900 mm         | MLG50N-1900P10502 | 1222633  |
|                 | 8.5 m           | 1,750 mm         | MLG50N-1750P10802 | 1222260  |

- **Version:** ProNet
- **Communication interface:** Ethernet, EtherNet/IP™
- **Option:** Nonexistent

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 2.5 mm          | 2 m             | 145 mm           | MLG02N-0145H13201 | 1216919  |
|                 |                 | 295 mm           | MLG02N-0295H13201 | 1217074  |
|                 |                 | 445 mm           | MLG02N-0445H13201 | 1217075  |
|                 |                 | 595 mm           | MLG02N-0595H13201 | 1217375  |
|                 |                 | 745 mm           | MLG02N-0745H13201 | 1216966  |
|                 |                 | 895 mm           | MLG02N-0895H13201 | 1217273  |
|                 |                 | 1,045 mm         | MLG02N-1045H13201 | 1223107  |
|                 |                 | 1,195 mm         | MLG02N-1195H13201 | 1222169  |

| Beam separation | Operating range | Detection height | Type              | Part no.          |
|-----------------|-----------------|------------------|-------------------|-------------------|
| 5 mm            | 5 m             | 145 mm           | MLG05N-0145H10501 | 1216921           |
|                 |                 | 295 mm           | MLG05N-0295H10501 | 1217076           |
|                 |                 | 445 mm           | MLG05N-0445H10501 | 1217077           |
|                 |                 | 595 mm           | MLG05N-0595H10501 | 1218480           |
|                 |                 | 745 mm           | MLG05N-0745H10501 | 1216828           |
|                 |                 | 895 mm           | MLG05N-0895H10501 | 1216923           |
|                 |                 | 1,045 mm         | MLG05N-1045H10501 | 1220569           |
|                 |                 | 1,195 mm         | MLG05N-1195H10501 | 1221006           |
|                 |                 | 1,495 mm         | MLG05N-1495H10501 | 1221007           |
|                 |                 | 1,645 mm         | MLG05N-1645H10501 | 1217340           |
|                 |                 | 1,795 mm         | MLG05N-1795H10501 | 1221815           |
|                 |                 | 1,945 mm         | MLG05N-1945H10501 | 1218126           |
|                 |                 | 2,095 mm         | MLG05N-2095H10501 | 1217533           |
|                 |                 | 2,245 mm         | MLG05N-2245H10501 | 1217238           |
|                 |                 | 2,395 mm         | MLG05N-2395H10501 | 1222413           |
|                 |                 | 2,545 mm         | MLG05N-2545H10501 | 1219999           |
|                 |                 | 8.5 m            | 595 mm            | MLG05N-0595H10801 |

| Beam separation | Operating range | Detection height | Type              | Part no. |                   |
|-----------------|-----------------|------------------|-------------------|----------|-------------------|
| 10 mm           | 5 m             | 140 mm           | MLG10N-0140H10501 | 1216565  |                   |
|                 |                 | 290 mm           | MLG10N-0290H10501 | 1219710  |                   |
|                 |                 | 440 mm           | MLG10N-0440H10501 | 1220578  |                   |
|                 |                 | 590 mm           | MLG10N-0590H10501 | 1220716  |                   |
|                 |                 | 740 mm           | MLG10N-0740H10501 | 1220254  |                   |
|                 |                 | 890 mm           | MLG10N-0890H10501 | 1217647  |                   |
|                 |                 | 1,040 mm         | MLG10N-1040H10501 | 1217475  |                   |
|                 |                 | 1,190 mm         | MLG10N-1190H10501 | 1217125  |                   |
|                 |                 | 1,340 mm         | MLG10N-1340H10501 | 1219824  |                   |
|                 |                 | 1,490 mm         | MLG10N-1490H10501 | 1222022  |                   |
|                 |                 | 1,640 mm         | MLG10N-1640H10501 | 1221615  |                   |
|                 |                 | 1,790 mm         | MLG10N-1790H10501 | 1219200  |                   |
|                 |                 | 1,940 mm         | MLG10N-1940H10501 | 1218125  |                   |
|                 |                 | 2,090 mm         | MLG10N-2090H10501 | 1217534  |                   |
|                 |                 | 2,240 mm         | MLG10N-2240H10501 | 1217239  |                   |
|                 |                 | 2,540 mm         | MLG10N-2540H10501 | 1220855  |                   |
|                 |                 | 2,690 mm         | MLG10N-2690H10501 | 1221826  |                   |
|                 |                 |                  | 8.5 m             | 1,190 mm | MLG10N-1190H10801 |



| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 20 mm           | 5 m             | 280 mm           | MLG20N-0280H10501 | 1217899  |
|                 |                 | 580 mm           | MLG20N-0580H10501 | 1217900  |
|                 |                 | 1,180 mm         | MLG20N-1180H10501 | 1217901  |
|                 |                 | 1,480 mm         | MLG20N-1480H10501 | 1218289  |
|                 |                 | 1,940 mm         | MLG20N-1940H10501 | 1106296  |
|                 |                 | 2,080 mm         | MLG20N-2080H10501 | 1217902  |
|                 |                 | 2,540 mm         | MLG20N-2540H10501 | 1218288  |
|                 |                 | 2,840 mm         | MLG20N-2840H10501 | 1218287  |
| 25 mm           | 5 m             | 275 mm           | MLG25N-0275H10501 | 1216950  |
|                 |                 | 425 mm           | MLG25N-0425H10501 | 1217496  |
|                 |                 | 575 mm           | MLG25N-0575H10501 | 1218074  |
|                 |                 | 725 mm           | MLG25N-0725H10501 | 1216922  |
|                 |                 | 875 mm           | MLG25N-0875H10501 | 1220908  |
|                 |                 | 1,025 mm         | MLG25N-1025H10501 | 1217497  |
|                 |                 | 1,175 mm         | MLG25N-1175H10501 | 1218886  |
|                 |                 | 1,475 mm         | MLG25N-1475H10501 | 1217476  |
|                 |                 | 1,775 mm         | MLG25N-1775H10501 | 1218993  |
|                 |                 | 2,075 mm         | MLG25N-2075H10501 | 1220715  |
|                 |                 | 2,225 mm         | MLG25N-2225H10501 | 1217794  |
|                 |                 | 2,375 mm         | MLG25N-2375H10501 | 1217364  |
|                 |                 | 2,525 mm         | MLG25N-2525H10501 | 1216567  |
|                 |                 | 3,125 mm         | MLG25N-3125H10501 | 1218110  |
|                 | 8.5 m           | 1,475 mm         | MLG25N-1475H10801 | 1220014  |

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 30 mm           | 5 m             | 270 mm           | MLG30N-0270H10501 | 1217903  |
|                 |                 | 570 mm           | MLG30N-0570H10501 | 1217904  |
|                 |                 | 1,020 mm         | MLG30N-1020H10501 | 1218856  |
|                 |                 | 1,170 mm         | MLG30N-1170H10501 | 1217905  |
|                 |                 | 1,470 mm         | MLG30N-1470H10501 | 1106767  |
|                 |                 | 2,070 mm         | MLG30N-2070H10501 | 1217906  |
|                 |                 | 2,220 mm         | MLG30N-2220H10501 | 1221804  |
|                 |                 | 2,520 mm         | MLG30N-2520H10501 | 1218857  |
| 50 mm           | 5 m             | 250 mm           | MLG50N-0250H10501 | 1216963  |
|                 |                 | 550 mm           | MLG50N-0550H10501 | 1217305  |
|                 |                 | 700 mm           | MLG50N-0700H10501 | 1222475  |
|                 |                 | 850 mm           | MLG50N-0850H10501 | 1222476  |
|                 |                 | 1,150 mm         | MLG50N-1150H10501 | 1106766  |
|                 |                 | 1,300 mm         | MLG50N-1300H10501 | 1219002  |
|                 |                 | 1,600 mm         | MLG50N-1600H10501 | 1218740  |
|                 |                 | 1,750 mm         | MLG50N-1750H10501 | 1221984  |
|                 |                 | 1,900 mm         | MLG50N-1900H10501 | 1221665  |
|                 |                 | 2,050 mm         | MLG50N-2050H10501 | 1218884  |
|                 |                 | 2,350 mm         | MLG50N-2350H10501 | 1219974  |
|                 |                 | 2,500 mm         | MLG50N-2500H10501 | 1222989  |
|                 |                 | 3,100 mm         | MLG50N-3100H10501 | 1218191  |

- **Version:** ProNet
- **Communication interface:** Ethernet, PROFINET
- **Option:** Nonexistent

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 2.5 mm          | 2 m             | 145 mm           | MLG02N-0145N13201 | 1216746  |
|                 |                 | 295 mm           | MLG02N-0295N13201 | 1216768  |
|                 |                 | 445 mm           | MLG02N-0445N13201 | 1216769  |
|                 |                 | 595 mm           | MLG02N-0595N13201 | 1217336  |
|                 |                 | 745 mm           | MLG02N-0745N13201 | 1216952  |
|                 |                 | 895 mm           | MLG02N-0895N13201 | 1218810  |
|                 |                 | 1,045 mm         | MLG02N-1045N13201 | 1218245  |
|                 |                 | 1,195 mm         | MLG02N-1195N13201 | 1217762  |

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 5 mm            | 5 m             | 145 mm           | MLG05N-0145N10501 | 1217292  |
|                 |                 | 295 mm           | MLG05N-0295N10501 | 1218228  |
|                 |                 | 445 mm           | MLG05N-0445N10501 | 1218229  |
|                 |                 | 595 mm           | MLG05N-0595N10501 | 1218236  |
|                 |                 | 745 mm           | MLG05N-0745N10501 | 1217580  |
|                 |                 | 895 mm           | MLG05N-0895N10501 | 1218692  |
|                 |                 | 1,045 mm         | MLG05N-1045N10501 | 1216929  |
|                 |                 | 1,195 mm         | MLG05N-1195N10501 | 1217758  |
|                 |                 | 1,345 mm         | MLG05N-1345N10501 | 1217760  |
|                 |                 | 1,495 mm         | MLG05N-1495N10501 | 1216930  |
|                 |                 | 1,645 mm         | MLG05N-1645N10501 | 1217339  |
|                 |                 | 1,795 mm         | MLG05N-1795N10501 | 1217265  |
|                 |                 | 1,945 mm         | MLG05N-1945N10501 | 1108886  |
|                 |                 | 2,095 mm         | MLG05N-2095N10501 | 1223064  |
|                 |                 | 2,245 mm         | MLG05N-2245N10501 | 1217615  |
|                 |                 | 2,395 mm         | MLG05N-2395N10501 | 1220609  |
|                 |                 | 2,545 mm         | MLG05N-2545N10501 | 1219748  |
|                 | 8.5 m           | 595 mm           | MLG05N-0595N10801 | 1217517  |
|                 |                 | 895 mm           | MLG05N-0895N10801 | 1222508  |
|                 |                 | 1,195 mm         | MLG05N-1195N10801 | 1220665  |
| 10 mm           | 5 m             | 140 mm           | MLG10N-0140N10501 | 1216564  |
|                 |                 | 290 mm           | MLG10N-0290N10501 | 1217086  |
|                 |                 | 440 mm           | MLG10N-0440N10501 | 1216880  |
|                 |                 | 590 mm           | MLG10N-0590N10501 | 1218237  |
|                 |                 | 740 mm           | MLG10N-0740N10501 | 1217070  |

| Beam separation | Operating range | Detection height | Type              | Part no.          |         |
|-----------------|-----------------|------------------|-------------------|-------------------|---------|
|                 |                 | 890 mm           | MLG10N-0890N10501 | 1217069           |         |
|                 |                 | 1,040 mm         | MLG10N-1040N10501 | 1217413           |         |
|                 |                 | 1,190 mm         | MLG10N-1190N10501 | 1217674           |         |
|                 |                 | 1,340 mm         | MLG10N-1340N10501 | 1217271           |         |
|                 |                 | 1,490 mm         | MLG10N-1490N10501 | 1216943           |         |
|                 |                 | 1,640 mm         | MLG10N-1640N10501 | 1217248           |         |
|                 |                 | 1,790 mm         | MLG10N-1790N10501 | 1217749           |         |
|                 |                 | 1,940 mm         | MLG10N-1940N10501 | 1218261           |         |
|                 |                 | 2,090 mm         | MLG10N-2090N10501 | 1218726           |         |
|                 |                 | 2,240 mm         | MLG10N-2240N10501 | 1218120           |         |
|                 |                 | 2,390 mm         | MLG10N-2390N10501 | 1218154           |         |
|                 |                 | 2,540 mm         | MLG10N-2540N10501 | 1217022           |         |
|                 |                 | 2,690 mm         | MLG10N-2690N10501 | 1217814           |         |
|                 |                 | 2,840 mm         | MLG10N-2840N10501 | 1221506           |         |
|                 |                 | 3,140 mm         | MLG10N-3140N10501 | 1218727           |         |
|                 |                 | 8.5 m            | 590 mm            | MLG10N-0590N10801 | 1221901 |
|                 |                 |                  | 740 mm            | MLG10N-0740N10801 | 1221908 |
|                 |                 | 1,040 mm         | MLG10N-1040N10801 | 1219682           |         |
|                 |                 | 2,090 mm         | MLG10N-2090N10801 | 1217993           |         |
|                 |                 | 2,840 mm         | MLG10N-2840N10801 | 1221761           |         |

| Beam separation | Operating range   | Detection height | Type              | Part no. |                   |         |
|-----------------|-------------------|------------------|-------------------|----------|-------------------|---------|
| 20 mm           | 5 m               | 140 mm           | MLG20N-0140N10501 | 1217907  |                   |         |
|                 |                   | 280 mm           | MLG20N-0280N10501 | 1217908  |                   |         |
|                 |                   | 580 mm           | MLG20N-0580N10501 | 1217909  |                   |         |
|                 |                   | 880 mm           | MLG20N-0880N10501 | 1218071  |                   |         |
|                 |                   | 1,180 mm         | MLG20N-1180N10501 | 1217910  |                   |         |
|                 |                   | 1,340 mm         | MLG20N-1340N10501 | 1222055  |                   |         |
|                 |                   | 1,480 mm         | MLG20N-1480N10501 | 1218634  |                   |         |
|                 |                   | 1,640 mm         | MLG20N-1640N10501 | 1219793  |                   |         |
|                 |                   | 1,940 mm         | MLG20N-1940N10501 | 1106295  |                   |         |
|                 |                   | 2,080 mm         | MLG20N-2080N10501 | 1217911  |                   |         |
|                 |                   | 2,240 mm         | MLG20N-2240N10501 | 1222946  |                   |         |
|                 |                   | 2,380 mm         | MLG20N-2380N10501 | 1221191  |                   |         |
|                 |                   | 2,540 mm         | MLG20N-2540N10501 | 1218635  |                   |         |
|                 |                   | 2,680 mm         | MLG20N-2680N10501 | 1219478  |                   |         |
|                 |                   | 2,840 mm         | MLG20N-2840N10501 | 1218636  |                   |         |
|                 |                   |                  | 8.5 m             | 1,040 mm | MLG20N-1040N10801 | 1219697 |
|                 |                   | 25 mm            | 5 m               | 275 mm   | MLG25N-0275N10501 | 1221316 |
| 425 mm          | MLG25N-0425N10501 |                  |                   | 1218885  |                   |         |
| 575 mm          | MLG25N-0575N10501 |                  |                   | 1217660  |                   |         |
| 725 mm          | MLG25N-0725N10501 |                  |                   | 1217091  |                   |         |

| Beam separation | Operating range | Detection height  | Type              | Part no.          |         |
|-----------------|-----------------|-------------------|-------------------|-------------------|---------|
|                 |                 | 875 mm            | MLG25N-0875N10501 | 1218046           |         |
|                 |                 | 1,025 mm          | MLG25N-1025N10501 | 1217306           |         |
|                 |                 | 1,175 mm          | MLG25N-1175N10501 | 1217661           |         |
|                 |                 | 1,325 mm          | MLG25N-1325N10501 | 1217307           |         |
|                 |                 | 1,475 mm          | MLG25N-1475N10501 | 1216833           |         |
|                 |                 | 1,625 mm          | MLG25N-1625N10501 | 1217616           |         |
|                 |                 | 1,775 mm          | MLG25N-1775N10501 | 1218854           |         |
|                 |                 | 2,075 mm          | MLG25N-2075N10501 | 1218728           |         |
|                 |                 | 2,225 mm          | MLG25N-2225N10501 | 1216946           |         |
|                 |                 | 2,375 mm          | MLG25N-2375N10501 | 1220264           |         |
|                 |                 | 2,525 mm          | MLG25N-2525N10501 | 1216531           |         |
|                 |                 | 2,675 mm          | MLG25N-2675N10501 | 1219160           |         |
|                 |                 | 2,825 mm          | MLG25N-2825N10501 | 1217817           |         |
|                 |                 | 3,125 mm          | MLG25N-3125N10501 | 1217609           |         |
|                 |                 | 8.5 m             | 575 mm            | MLG25N-0575N10801 | 1222276 |
|                 |                 | 1,175 mm          | MLG25N-1175N10801 | 1219100           |         |
|                 |                 | 1,325 mm          | MLG25N-1325N10801 | 1218657           |         |
|                 | 1,475 mm        | MLG25N-1475N10801 | 1222672           |                   |         |
|                 | 2,075 mm        | MLG25N-2075N10801 | 1217992           |                   |         |
|                 | 2,225 mm        | MLG25N-2225N10801 | 1218743           |                   |         |

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 30 mm           | 5 m             | 270 mm           | MLG30N-0270N10501 | 1222543  |
|                 |                 | 420 mm           | MLG30N-0420N10501 | 1222373  |
|                 |                 | 720 mm           | MLG30N-0720N10501 | 1222338  |
|                 |                 | 870 mm           | MLG30N-0870N10501 | 1221001  |
|                 |                 | 1,020 mm         | MLG30N-1020N10501 | 1219145  |
|                 |                 | 1,470 mm         | MLG30N-1470N10501 | 1218446  |
|                 |                 | 1,620 mm         | MLG30N-1620N10501 | 1219062  |
|                 |                 | 1,770 mm         | MLG30N-1770N10501 | 1218445  |
|                 |                 | 1,920 mm         | MLG30N-1920N10501 | 1218346  |
|                 |                 | 2,070 mm         | MLG30N-2070N10501 | 1218447  |
|                 |                 | 2,220 mm         | MLG30N-2220N10501 | 1222352  |
|                 |                 | 2,520 mm         | MLG30N-2520N10501 | 1218853  |
|                 |                 | 2,820 mm         | MLG30N-2820N10501 | 1218851  |
|                 |                 |                  | 8.5 m             | 1,020 mm |
| 50 mm           | 5 m             | 250 mm           | MLG50N-0250N10501 | 1217088  |



| Beam separation | Operating range | Detection height | Type              | Part no.          |         |
|-----------------|-----------------|------------------|-------------------|-------------------|---------|
|                 |                 | 550 mm           | MLG50N-0550N10501 | 1219053           |         |
|                 |                 | 700 mm           | MLG50N-0700N10501 | 1217090           |         |
|                 |                 | 850 mm           | MLG50N-0850N10501 | 1221203           |         |
|                 |                 | 1,000 mm         | MLG50N-1000N10501 | 1216771           |         |
|                 |                 | 1,150 mm         | MLG50N-1150N10501 | 1216577           |         |
|                 |                 | 1,300 mm         | MLG50N-1300N10501 | 1216785           |         |
|                 |                 | 1,450 mm         | MLG50N-1450N10501 | 1216786           |         |
|                 |                 | 1,600 mm         | MLG50N-1600N10501 | 1216787           |         |
|                 |                 | 1,750 mm         | MLG50N-1750N10501 | 1216788           |         |
|                 |                 | 1,900 mm         | MLG50N-1900N10501 | 1216789           |         |
|                 |                 | 2,050 mm         | MLG50N-2050N10501 | 1216790           |         |
|                 |                 | 2,200 mm         | MLG50N-2200N10501 | 1216791           |         |
|                 |                 | 2,350 mm         | MLG50N-2350N10501 | 1216792           |         |
|                 |                 | 2,500 mm         | MLG50N-2500N10501 | 1216793           |         |
|                 |                 | 2,650 mm         | MLG50N-2650N10501 | 1216794           |         |
|                 |                 | 2,800 mm         | MLG50N-2800N10501 | 1216993           |         |
|                 |                 | 3,100 mm         | MLG50N-3100N10501 | 1218050           |         |
|                 |                 | 8.5 m            | 850 mm            | MLG50N-0850N10801 | 1220054 |
|                 |                 |                  | 1,300 mm          | MLG50N-1300N10801 | 1218659 |
|                 | 3,100 mm        |                  | MLG50N-3100N10801 | 1221396           |         |

- **Version:** ProNet, replacement product (for MLG-1 with terminals)
- **Communication interface:** Serial (RS-485)
- **Inputs/outputs:** RS-485 + 6 x Q + 2 x I/O
- **Option:** Nonexistent

| Beam separation | Operating range | Detection height  | Type              | Part no. |
|-----------------|-----------------|-------------------|-------------------|----------|
| 5 mm            | 5 m             | 145 mm            | MLG05N-0145U10501 | 1219806  |
|                 |                 | 1,495 mm          | MLG05N-1495U10501 | 1221138  |
|                 |                 | 2,545 mm          | MLG05N-2545U10501 | 1219807  |
| 10 mm           | 5 m             | 140 mm            | MLG10N-0140U10501 | 1220010  |
|                 |                 | 590 mm            | MLG10N-0590U10501 | 1221749  |
|                 |                 | 890 mm            | MLG10N-0890U10501 | 1221750  |
|                 |                 | 1,340 mm          | MLG10N-1340U10501 | 1221752  |
|                 |                 | 2,390 mm          | MLG10N-2390U10501 | 1221263  |
| 20 mm           | 5 m             | 440 mm            | MLG20N-0440U10501 | 1222405  |
|                 |                 | 1,780 mm          | MLG20N-1780U10501 | 1107624  |
|                 |                 | 2,240 mm          | MLG20N-2240U10501 | 1107373  |
|                 |                 | 3,140 mm          | MLG20N-3140U10501 | 1107372  |
|                 | 8.5 m           | MLG20N-1180U10801 | 1222865           |          |
| 25 mm           | 8.5 m           | 275 mm            | MLG25N-0275U10801 | 1222513  |
|                 |                 | 725 mm            | MLG25N-0725U10801 | 1222226  |
|                 |                 | 1,625 mm          | MLG25N-1625U10801 | 1222514  |
| 30 mm           | 5 m             | 2,070 mm          | MLG30N-2070U10501 | 1222662  |
|                 |                 | 2,220 mm          | MLG30N-2220U10501 | 1105986  |

| Beam separation | Operating range | Detection height | Type              | Part no. |
|-----------------|-----------------|------------------|-------------------|----------|
| 50 mm           | 5 m             | 550 mm           | MLG50N-0550U10501 | 1222130  |
|                 |                 | 1,000 mm         | MLG50N-1000U10501 | 1222780  |
|                 |                 | 1,150 mm         | MLG50N-1150U10501 | 1221735  |
|                 |                 | 1,450 mm         | MLG50N-1450U10501 | 1221753  |
|                 |                 | 1,600 mm         | MLG50N-1600U10501 | 1221756  |
|                 |                 | 1,900 mm         | MLG50N-1900U10501 | 1221736  |
|                 |                 | 2,050 mm         | MLG50N-2050U10501 | 1221755  |
|                 |                 | 2,350 mm         | MLG50N-2350U10501 | 1221757  |
|                 |                 | 2,500 mm         | MLG50N-2500U10501 | 1221754  |
|                 |                 | 2,800 mm         | MLG50N-2800U10501 | 1221751  |

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