



PI0292a

Technical Data

| | |
|--------------------------|--------------------------------------|
| Size | M18 |
| Housing material | CuZn nickel plated |
| Antenna | round |
| Weight | 52 g |
| Function | Read/Write Head |
| Mounting in steel | non-flush |
| Operating temperature | 0...70°C |
| Storage temperature | -20...85°C |
| Protection per IEC 60529 | IP 67 |
| Connection | Processor |
| with Connection cable | BIS S-501-PU1-... / BIS S-502-PU1-25 |
| possible cable length | 5m, 10m or 25m |
| Description | Read/Write Head, round, M18 |

appropriate data carriers

| | BIS M-101 | BIS M-102 | BIS M-105 |
|--------------------------------------|----------------|----------------|-----------|
| Data carrier distance to metal in mm | >25 >10 >5 | >50 >25 >10 | >10 >0 |
| Data carrier clear zone in mm | >60 >50 >50 | >60 >50 >50 | >60 >0 |
| Write distance in mm | 0-16 0-15 0-10 | 0-20 0-18 0-10 | 0-7 0-6 |
| Read distance in mm | 0-16 0-15 0-10 | 0-20 0-18 0-10 | 0-7 0-6 |
| Offset in mm | | | |
| at distance | | | |
| 0 mm | ±5 ±4 ±2 | ±9 ±7 ±4 | ±5 ±4 |
| 5 mm | ±5 ±4 ±2 | ±9 ±7 ±3 | ±4 ±3 |
| 9 mm | ±5 ±3,5 ±1 | ±8 ±6 ±2 | |
| 12 mm | ±4 ±3 | ±7 ±4 | |
| 15 mm | ±3,5 ±2 | ±6 ±3 | |
| 16 mm | ±2 | ±5 ±2 | |
| 18 mm | | ±4 ±2 | |
| 20 mm | | ±2 | |
| 22 mm | | | |
| 25 mm | | | |
| 30 mm | | | |
| 32 mm | | | |
| 35 mm | | | |
| 40 mm | | | |
| 43 mm | | | |
| 45 mm | | | |
| 50 mm | | | |