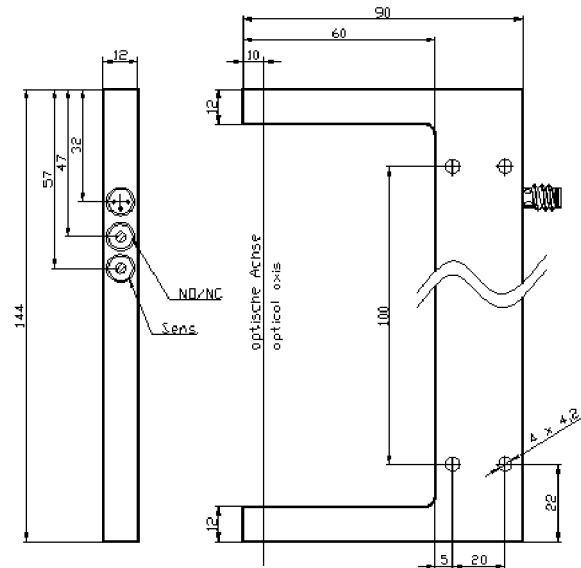


# Gabellichtschranken *fork light barriers* OPTOR® G120



Standard *standard*

|                                    |                               |
|------------------------------------|-------------------------------|
| Gabelweite <i>fork opening</i>     | 120 mm                        |
| Anschluss <i>connection</i>        | Stecker M8 <i>plug M8</i>     |
| Empfindlichkeit <i>sensitivity</i> | einstellbar <i>adjustable</i> |



Gabellichtschranken  
fork light barriers

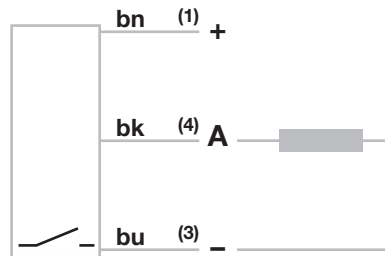
|  |   |
|--|---|
| Betriebsspannung <i>service voltage</i>                | 10-35 VDC   |
| Eigenstromaufnahme <i>internal power consumpt.</i>     | < 35 mA   |
| Spannungsabfall <i>voltage drop</i>                    | < 2,5 V   |
| Schalthyserese <i>switching hysteresis</i>             | < 0,2 mm  |
| Reproduzierbarkeit <i>reproducibility</i>              | < 0,01 mm   |
| Temperaturdrift <i>temperature drift</i>               | < 10 %  |
| Umgebungstemperatur <i>ambient temperature</i>         | - 10°C ... + 60°C   |
| Schutzart <i>protection class</i>                      | IP 67   |
| Sendelicht <i>emitted light</i>                        | infrarot / getaktet <i>infrared / clocked</i>   rot / getaktet <i>red / clocked</i> |
| Gehäusematerial <i>casing material</i>                 | Alu / schwarz eloxiert <i>aluminium / black anodized</i>                            |
| Isolationsspannung <i>insulation voltage endurance</i> | 500 V   |
| Fremdlichtfestigkeit <i>ambient light immunity</i>     | 50 klx  |
| Auflösung <i>resolution</i>                            | 0,4 mm  |
| max. Laststrom <i>max. load current</i>                | 200 mA / kurzschlußfest <i>short-circuit-proof</i>                                  |
| Schaltfrequenz <i>max. operating frequency</i>         | 2,5 kHz   |

| Schema <i>diagramm</i> | Ausgang <i>output</i> | Infrarot <i>infrared</i> | Rotlicht <i>red-light</i> |
|------------------------|-----------------------|--------------------------|---------------------------|
| 3                      | PNP-NO/NC             | EGMD1207I                | EGMD1207R                 |
| 1                      | PNP-NO                | EGMD1204I                | EGMD1204R                 |
| 2                      | PNP-NC                | EGMD1205I                | EGMD1205R                 |
| 6                      | NPN-NO/NC             | EGMD1206I                | EGMD1206R                 |
| 4                      | NPN-NO                | EGMD1202I                | EGMD1202R                 |
| 5                      | NPN-NC                | EGMD1203I                | EGMD1203R                 |



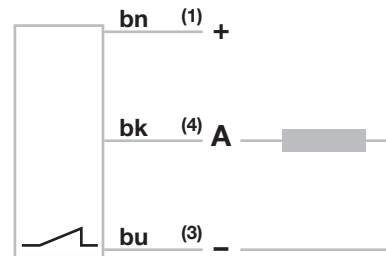
Schema 1 *diagramm 1*

**PNP Schließer (NO)**  
*PNP closer (NO)*



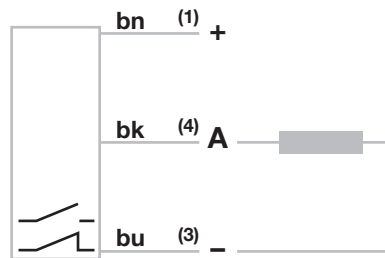
Schema 2 *diagramm 2*

**PNP Öffner (NC)**  
*PNP opener (NC)*



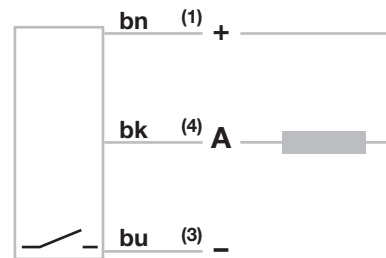
Schema 3 *diagramm 3*

**PNP Schließer/Öffner (NO/NC)**  
*PNP closer/opener (NO/NC)*



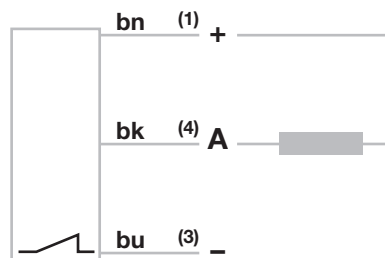
Schema 4 *diagramm 4*

**NPN Schließer (NO)**  
*NPN closer (NO)*



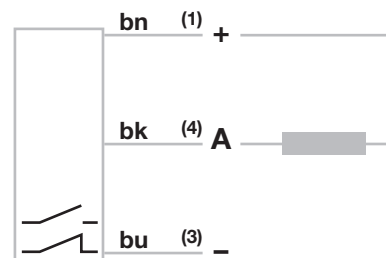
Schema 5 *diagramm 5*

**NPN Öffner (NC)**  
*NPN opener (NC)*



Schema 6 *diagramm 6*

**NPN Schließer/Öffner (NO/NC)**  
*NPN closer/opener (NO/NC)*



Schema 8 *diagramm 8*