



S60

956201020

S60-PA-5-W08-PH

EXTENDED RANGE OF STANDARD "ONE FOR ALL"
PHOTOELECTRIC COMPACT SENSORS

OVERVIEW

- Complete range of optic functions, basic, advanced and laser class 1
- Models with coaxial optics for polarized retroreflective, contrast and luminescence sensors
- Trimmer or EASY touch™ setting with
- Remote, Keylock and Delay functions
- Standard cable or M12 connection with standard NPN or PNP configuration

TECHNICAL FEATURES

Detection properties

| | |
|--------------------------|------|
| Nominal sensing distance | 20mm |
|--------------------------|------|

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|------------------------|----------|
| Sensitivity adjustment | Teach-in |
|------------------------|----------|

Application

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|--------------------|-------------------------|
| Function Principle | Contrast mark detection |
|--------------------|-------------------------|

| | |
|-------------|---------------------|
| Description | Compact square case |
|-------------|---------------------|

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|----------------|-------|
| Optic position | axial |
|----------------|-------|

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|-----------|-------------------------|
| Functions | Contrast mark detection |
|-----------|-------------------------|

Outputs

| | |
|-------------|--------------------|
| Output type | PNP L/D selectable |
|-------------|--------------------|

| | |
|-----------------|----------------|
| Output Function | L/D selectable |
|-----------------|----------------|

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|---------------------|------|
| Switching frequency | 5Khz |
|---------------------|------|

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|---------------|--------------------|
| Response time | 100 μ s (5kHz) |
|---------------|--------------------|

Electrical data

| | |
|-------------------|------------|
| Operating Voltage | 10...30VDC |
|-------------------|------------|

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|------------------------|-------------|
| No-Load supply current | \leq 40mA |
|------------------------|-------------|

| | |
|--------------|--------------|
| Load current | \leq 100mA |
|--------------|--------------|

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|---------------------|-----------------------|
| Output voltage drop | \leq 2V@Iload=100mA |
|---------------------|-----------------------|

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|--------------------|--------------|
| Max ripple content | \leq 2 Vpp |
|--------------------|--------------|

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|----------------|--|
| LED indicators | Yellow (status output) Green/red READY/ERROR LED |
|----------------|--|

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|--------------------------|-----|
| Short-circuit protection | YES |
|--------------------------|-----|

| | |
|-----------------------------|-----|
| Reverse Polarity Protection | Yes |
|-----------------------------|-----|

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|----------|-----------|
| Emission | LED white |
|----------|-----------|

| | |
|--------------------------------|----------------------------------|
| Interference to external light | according to EN 60947-5-2 : 2020 |
|--------------------------------|----------------------------------|

| | |
|----------------------------------|-----|
| Impulsive Overvoltage Protection | Yes |
|----------------------------------|-----|

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|-----------------------|---|
| Insulation resistance | >20 MΩ 500 Vdc, between electronics and housing |
|-----------------------|---|

| | |
|--------------------|---|
| Contact resistance | 500 Vac 1 min., between electronics and housing |
|--------------------|---|

Mechanical data

| | |
|------------|----------|
| Dimensions | 15X50X50 |
|------------|----------|

Material

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|------------------|----------|
| Housing material | ABS/PMMA |
|------------------|----------|

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|-------------|----------|
| Connections | M12 plug |
|-------------|----------|

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|----------------------|------|
| Active Head Material | PMMA |
|----------------------|------|

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|---------------------|----------------|
| Storage temperature | - 25°C...+70°C |
|---------------------|----------------|

| | |
|--------------------|-------|
| Diameter/Dimension | Cubic |
|--------------------|-------|

Test/Approvals

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|-----------|----------|
| Approvals | CE cULus |
|-----------|----------|

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| Shocks and vibrations | 0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6) |
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Generical Data

| | |
|------------|----------|
| Dimensions | 15X50X50 |
|------------|----------|

| | |
|-----------------------|----------------------------------|
| Operating Temperature | - 25°C...+ 55°C (Without freeze) |
|-----------------------|----------------------------------|

| | |
|-----------------------|------|
| Mechanical Protection | IP67 |
|-----------------------|------|

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