



Safety camera systems V200 Work Station Extended

V20W-0101000



Model Name > [V20W-0101000](#)
Part No. > [1042027](#)

At a glance

- SIL1 (IEC 61508, EN 62061) and PL c (EN ISO 13849)
- Protective field size from 0.4 m x 0.4 m to 1.5 m x 1.5 m
- Resolution 20 mm, 24 mm, and 34 mm
- One device only: integrated sender and receiver
- Intuitive one-button operation
- Automatic alignment
- Synchronization of 2 systems
- Restart/Reset, EDM integrated

Your benefits

- Flexible and individual definition of protective fields
- Quick commissioning without additional software
- Intuitive, time-saving operation
- No variants: one-device concept for all aperture sizes
- Reduced storage, logistics and commissioning costs
- No expert knowledge required
- High machine availability and simple maintenance

Note: A resolution set has to be ordered separately. See "Accessories" for further details.



Applications

Hazardous point protection:	✓
Hazardous area protection:	✓

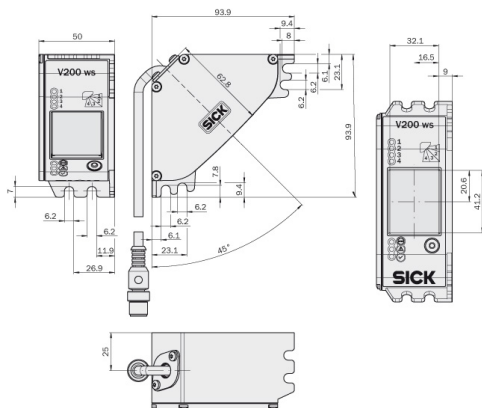
Technical data

Enclosure rating:	IP 54 (IEC 60529)
Protection class:	III (EN 50178)
Type:	Type 2 (IEC 61496)
Safety integrity level:	SIL1 (IEC 61508), SILCL1 (EN 62061)
Category:	Category 2 (EN ISO 13849)
Test rate (internal test):	50 /s (EN ISO 13849)
Maximum demand rate:	30 /min (EN ISO 13849) ¹⁾

Performance level:	PL c (EN ISO 13849)
PFHd:	3.2 * 1E-09
TM (mission time):	20 a
Maximum protective field range:	2.12 m ²⁾
Minimum protective field size:	40 cm x 40 cm ³⁾
Maximum protective field size:	150 cm x 150 cm ⁴⁾
Aspect ratio protective field:	1:1 to 2:1
Resolution:	20 mm, 24 mm, 30 mm ⁵⁾
Wavelength illumination:	850 nm
Supply voltage:	24 V DC
Number of external device monitoring inputs:	1
Number of restart interlock inputs:	1
Number of teach/sync inputs:	1
Switching outputs:	2
Power consumption::	165 mA, 690 mA ^{6) 7)}
Switching current:	6 mA ... 250 mA
Response time:	20 ms
Connection type:	M12 x 8
Dimensions (W x H x D):	90 mm x 50 mm x 90 mm
Ambient operating temperature from ... to:	0 °C ... 50 °C

- 1) Between two demands on a safety-related response of the device, at least 100 internal or external tests must be carried out. 2) 3) 4) 5) Depending on resolution set
6) At 24 V without output load 7) Including maximum output load

Dimensional drawing



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