

Notice of Discontinuation

GM04VC2

Gloss Sensor



EN

Notice of Discontinuation

Discontinued product: GM04VC2

Recommended replacement product: GM04PB2
GM04PD2

Discontinued on: 11.04.2025

Key differences

- The successor product does not have a switch between NC and NO.
- The successor product has an IO-Link interface.
- The successor product is preset as a NO contact (GM04PB2) or a NC contact (GM04PD2). The switching output can be switched between NO and NC via IO-Link.

Below you will find a detailed product comparison:

	Discontinued product GM04VC2	Successor product GM04PB2	Successor product GM04PD2
Optical Data			
Working Range	5...40 mm	5...40 mm	5...40 mm
Light Source	Laser (red)	Laser (red)	Laser (red)
Wavelength	650 nm	650 nm	650 nm
Laser Class (EN 60825-1)	2	1	1
Service Life (T = +25 °C)	100000 h	100000 h	100000 h
Max. Ambient Light	10000 Lux	10000 Lux	10000 Lux
Light Spot Diameter	see Table 1	see Table 2	see Table 2
Electrical Data			
Supply Voltage	10...30 V DC	10...30 V DC	10...30 V DC
Current Consumption (U _b = 24 V)	< 20 mA	< 20 mA	< 20 mA
Switching Frequency	1900 Hz	1900 Hz	1900 Hz
Switching Frequency (interference-free mode)		1200 Hz	1200 Hz
Response Time	263 µs	0,26 ms	0,26 ms
Response time (interference-free mode)		0,4 ms	0,4 ms
Temperature Drift	< 5 %	< 5 %	< 5 %
Temperature Range	-25...60 °C	-25...60 °C	-25...60 °C
Switching Output Voltage Drop	< 2,5 V	< 2,5 V	< 2,5 V
PNP Switching Output/ Switching Current	200 mA	100 mA	100 mA
Short Circuit Protection	yes	yes	yes
Reverse Polarity Protection	yes	yes	yes
Overload Protection	yes	yes	yes
Protection Class	III	III	III
FDA Accession Number	0820517-000	0820517-000	0820517-000

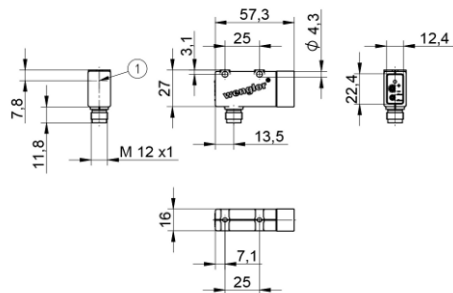
	Discontinued product GM04VC2	Successor product GM04PB2	Successor product GM04PD2
Mechanical Data			
Setting Method	Potentiometer	Potentiometer	Potentiometer
Housing Material	Plastic, ABS Plastic, PBT	Plastic, ABS Plastic, PBT	Plastic, ABS Plastic, PBT
Optic Cover	Glass	Glass	Glass
Full Encapsulation	yes	yes	yes
Degree of Protection	IP67	IP67	IP67
Connection	M12 × 1; 4-pin	M12 × 1; 4-pin	M12 × 1; 4-pin
Output Functions			
PNP NO/NC switchable	yes		
PNP NO		yes	
PNP NC			yes

Technical drawings/connection diagrams/approvals

connection diagram			
control panel	08 = NO/NC Switch 17 = Sensitivity Adjustment 01 = Switching Status Indicator	01 = Switching Status Indicator 05 = Switching Distance Adjuster	01 = Switching Status Indicator 05 = Switching Distance Adjuster
Approvals			

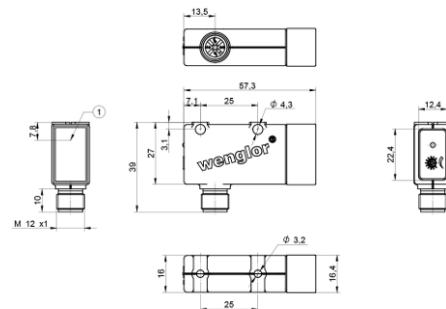
Dimensioned images

GM04VC2



① Transmitter Diode
Screw M4 = 1 Nm

GM04PB2 and GM04PD2



① Transmitter Diode
Screw M4 = 1 Nm

Light spot diameter

GM04VC2

Table 1

Working Distance	20 mm	15 mm	10 mm
Spot Size	6 × 20 mm	4,5 × 15 mm	3 × 10 mm

GM04PB2 and GM04PD2

Table 2

Working Distance	20 mm	15 mm	10 mm
Spot Size	6 × 20 mm	4,5 × 15 mm	3 × 10 mm