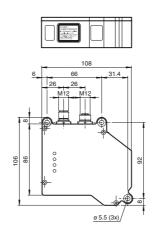
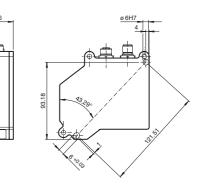
Dimensions









Model Number

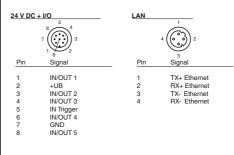
ODT-LR300-40-60-RD

Laser light sensor

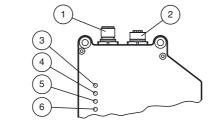
Features

- ٠ Master/Slave operation
- Intelligent exposure time control
- Laser protection class 1 ٠
- Measuring range $z = 65 \text{ mm} \dots 125$ mm

Electrical connection



Indicators/operating means



1	24 V DC + I/O	
2	LAN	
3	LED POWER	green
4	LED LAN	yellow
5	LED LASER	green
6	LED STATUS	green

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group USA: +1 330 486 0001

fa-info@us.pepperl-fuchs.com www.pepperl-fuchs.com

Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



Iterational control Power specifications Measurement range Xmin = ±15 mm Xmax = ±15 mm Xmax = ±15 mm Light source Laser diode Light source Hard diode Light source Wave = ±15 mm Laser comminal ratings Min = ±15 mm Note WISIBLE AND INVISIBLE LASER RADIATION, DO NOT STARE Note WISIBLE AND INVISIBLE LASER RADIATION, DO NOT STARE Wave length Alignment laser: 650 nm Maximum optical power output Alignment laser: 785 nm Indicator Soperating means 100 s ⁻¹ Target voicity Stop Indicator Soperating means Stop Operating voltage Up VP and Stop Power consumption Po Power consumption Po Number/Type 2 digital outputs Number/Type 2 digi	Technical data		
Measurement range Xmin + ±15 mm Light source Laser dota Light source Red laser for measuring location indication. #50 nm Light type Red laser for measuring location indication. #50 nm Note VISIBLE AND INVISIBLE LASER RADIATION , DO NOT STARE Inter class 1 Visible AND INVISIBLE CLASER RADIATION , DO NOT STARE DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS Laser class 1 Wave length Alignment laser: 785 nm Maximum optical power output Alignment laser: 785 nm Maximum optical power output Alignment laser: 785 nm Maximum optical power output Alignment laser: 785 nm Indicator Operating means 100 s ⁻¹ Target velocity Sop Indicator Scoperating means For Scoperating velocity Deparating voltage U Power consumption Po Power consumption Po Power consumption Po Interface Interface Interface Interface Interface Interface Number/Type 2 digital outputs and external trigger Output <			
Xmax = s21.5 mm Xmax = s21.5 mm Light type Read Gode Light type Read Gode Light type Read Gode Light type Read Gode Note VISIBLE AND INVISIBLE LASER RADIATION, DO NOT STARE INTO BEAM Laser nominal ratings VISIBLE AND INVISIBLE LASER RADIATION, DO NOT STARE INTO BEAM Laser class 1 Wave length Alignment laser: 650 nm Maximum optical power output Alignment laser: 785 nm Target velocity Stop Indicators/operating means 100 s ⁻¹ Operating voltage Up Operating voltage Up Operating voltage Up Power consumption Po maxiting yp PNP Switching voltage 24 V Number/Type 2 digital outputs Switching voltage 24 V Ambient conditions - 0 40 °C (32 104 °F) Storag temperature 20 70°C			
Light type Red laser for measuring location indication. 650 nm methods are another ingless?. 785 nm Both laser lines are congruent and are operated in parallel Laser nominal ratings Note Note VISIBLE AND INVISIBLE LASER RADIATION , DO NOT STARE INTO BEAM DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS Laser class 1 Wave length Alignment laser: 650 nm Measurement laser: 785 nm Maximum optical power output Alignment laser: 14 mW Measurement laser: 6 mW Laser monitoring The safety system switches off the laser when the laser output is too high Scan rate 100 s ⁻¹ Target velocity Stop Indicator POWER: LED green Function indicator LAN: LED yellow LASER: LED green Electrical specifications Operation indicator Operation indicator POWER: LED green Electrical specifications The safety system switches off the laser when the laser output is too high Operation indicator LAN: LED yellow LASER: LED green Electrical specifications The safety system switches off the laser when the laser output is too %, Output without load Interface type 2 digital inputs and external trigger Output Output Number/Type 2 digital inputs and external trigger Storage temperature -040 °C (32104 °F) Storage temperature	Measurement range		$Xmax = \pm 21.5 mm$
Infrared light laser as measuring laser, 785 nm Both laser lines are congruent and are operated in parallel Laser nominal ratings Note VISIBLE AND INVISIBLE LASER RADIATION, DO NOT STARE INTO BEAM DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS Laser class 1 Wave length Alignment laser: 650 nm Measurement laser: 785 nm Maximum optical power output Alignment laser: 785 nm Maximum optical power output To alignment laser: 785 nm Maximum optical power output To alignment laser: 785 nm Maximum optical power output Stop Laser monitoring To assignment laser: 785 nm Maximum optical power output Stop Laser monitoring To assignment laser: 785 nm Maximum optical power output Stop Laser monitoring To assignment laser: 785 nm Maximum optical power output Stop Laser monitoring To assignment laser: 785 nm Maximum optical power output Stop Laser monitoring The safety system switches off the laser when the laser output is to high Scan rate 100 s ⁻¹ Target velocity Stop Function indicator POWER: LED green Function indicator POWER: LED green STATUS: LED green	Light source		laser diode
Note VISIBLE AND INVISIBLE LASER RADIATION , DO NOT STARE INFO BEAM DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS Laser class 1 Wave length Alignment laser: 650 nm Measurement laser: 785 nn Measurement laser: 785 nn Maximum optical power output Alignment laser: 650 nm Measurement laser: 6 mW Laser monitoring Laser monitoring The safety system switches off the laser when the laser output is too high Scan rate 100 s ⁻¹ Target velocity Stop Indicators/operating means OQ s ⁻¹ Operation indicator POWER: LED green Function indicator POWER: LED green Function indicator POWER: LED green Start US: LED green STATUS: LED green Function indicator POWER: LED green Interface Interface Interface type Ethernet via TCP/IP, 100 Mbit/s Input voltage 24 V Number/Type 2 digital outputs Switching voltage 24 V Number/Type 2 digital outputs Switching voltage 24 V Ambient conditions 40 °C (-4 158 °F) Mechanica	Light type		Infrared light laser as measuring laser, 785 nm
INTO BEAM Do NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS Laser class 1 Wave length Alignment laser: 650 nm Measurement laser: 785 nm Maximum optical power output Alignment laser: 1.4 mW Measurement laser: 6 mW Laser monitoring The safety system switches off the laser when the laser output is to high Scan rate 100 s ⁻¹ Indicator Soporating means POWER: LED green Operation indicator POWER: LED green Function indicator POWER: LED green Function indicator POWER: LED green StaTUS: LED green STATUS: LED green Poerating voltage Ug Power consumption Po Interface type Ethernet via TCP/IP, 100 Mbit/s Input Input or 1000 s ⁻¹ Input - Number/Type 2 digital outputs Switching voltage 24 V Ambient conditions - Anbient conditions - Anbient conditions - Protection degree IP65 Connection degree IP65 Connection degree	Laser nominal ratings		
Wave tength Alignment laser: 650 nm Measurement laser: 785 nm Maximum optical power output Alignment laser: 785 nm Maximum optical power output Signment laser: 6 mW Laser monitoring The safety system switches off the laser when the laser output is too high Scan rate 100 s ⁻¹ Target velocity Stop Indicators/operating means POWER: LED green Operation indicator POWER: LED green Function indicator LAN: LED yellow LASER: LED green Operating voltage Ua 24 V DC ± 10 %, SELV/PELV Power consumption Po Mumber/Type 3 digital inputs and external trigger Output Number/Type Number/Type 2 digital inputs and external trigger Output Number/Type Number/Type 2 digital inputs and external trigger Output Number/Type Number/Type 2 digital inputs and external trigger Output Number/Type Number/Type 2 digital inputs and external trigger Output Number/Type Storage temperature <td colspan="2">_</td> <td>INTO BEAM</td>	_		INTO BEAM
Maximum optical power output Maignment laser: 788 nm Maximum optical power output Alignment laser: 8 mW Laser monitoring The safety system switches off the laser when the laser output is too high Scan rate 100 s ⁻¹ Target velocity Stop Indicators/Operating means POWER: LED green Operation indicator POWER: LED green Function indicator LAN: LED yellow LASER: LED green Electrical specifications Operating voltage Ug 24 V DC ± 10 %, SELV/PELV Power consumption Po max. 5W , Outputs without load Interface type Ethernet via TCP/IP, 100 Mbit/s Input voltage Input voltage 24 V Number/Type 3 digital inputs and external trigger Output Number/Type 2 digital outputs Switching voltage 24 V Ambient conditions - Ambient conditions - Ambient conditions - - - Protection degree IP65 - - Connection & prin, M12 x 1 connector (supply voltage + I/O) -	Laser class		1
Massurement laser: 6 mV Laser monitoring The safety system switches off the laser when the laser output is too high Scan rate 100 s ⁻¹ Target velocity Stop Indicators/operating means POWER: LED green Operating indicator POWER: LED green Function indicator LAN: LED yellow LASER: LED green Electrical specifications STATUS: LED green Operating voltage Ug 24 V DC ± 10 %, SELV/PELV Power consumption Po max. 5 W, Outputs without load Interface Interface Interface Input voltage 24 V Number/Type Number/Type 2 digital outputs Switching voltage 24 V Number/Type 2 digital outputs Switching voltage 24 V Ambient conditions	Wave length		Measurement laser: 785 nm
too high too high Scan rate 100 s ⁻¹ Target velocity Stop Indicators/operation indicator POWER: LED green Function indicator LAN: LED yellow LASER: LED green Electrical specifications STATUS: LED green Operating voltage Ug 24 V DC ± 10 %, SEU/PELV Power consumption P0 Base Status: SW, Outputs without load Interface Interface Interface Interface type Ethernet via TCP/IP, 100 Mbit/s Input voltage Input voltage 24 V Number/Type 3 digital outputs Number/Type 2 digital outputs Switching type PNP Switching type PNP Switching voltage 24 V Ambient temperature -0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree P65 Connection 4-pin, M12 x 1 connector (supply voltage + I/O) (-4-pin, M12 x 1 socket, D-coded (Ethernet) Material Housing anodized aluminum Optical face glass pane Maseria Storage temperat			Measurement laser: 6 mW
Target velocity Stop Indicators/operating means Operation indicator POWER: LED green Function indicator LAN: LED yellow LASER: LED green Function indicator LAN: LED yellow LASER: LED green Electrical specifications Operating voltage Ug Operating voltage Ug 24 V DC ± 10 %, SELV/PELV Power consumption Po max. 5 W, Outputs without load Interface type Ethernet via TCP/IP, 100 Mbit/s Input voltage 24 V Number/Type 3 digital inputs and external trigger Output V Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions Ambient conditions Ambient degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material Material Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Stodes2-1:2007 Complies with 21 CFR 1040.10 and 1040.11 ex			too high
Indicators/operating means POWER: LED green Function indicator LAN: LED yellow LASER: LED green Electrical specifications STATUS: LED green Operating voltage UB 24 V DC ± 10 %, SELV/PELV Power consumption Po max. 5 W, Outputs without load Interface Interface Interface Interface type Ethernet via TCP/IP, 100 Mbit/s Input Output V Number/Type 3 digital inputs and external trigger Output V Number/Type 2 digital outputs Switching voltage 24 V Ambient conditions - Ambient conditions - Ambient conditions - Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) Atpin <m12 (ethernet)<="" 1="" d-coded="" socket,="" td="" x=""> Material - Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directive - Ve</m12>			
Operation indicator POWER: LED green Function indicator LAN: LED yellow LASEF: LED green STATUS: LED green Electrical specifications Operating voltage U B Operating voltage U B 24 V DC ± 10 %, SELV/PELV Power consumption P0 max. 5 W, Outputs without load Interface Interface Interface Input voltage 24 V Number/Type 3 digital inputs and external trigger Output Number/Type 2 digital outputs Stitching type Switching type PNP Switching type PNP Switching type PNP Storage temperature 0 40 °C (32 104 °F) Storage temperature 0 40 °C (32 104 °F) Storage temperature 2.0 70 °C (4 158 °F) Mechanical specifications Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) (4-pin, M12 x 1 socket, D-coded (Ethernet) Material Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives EN 60947-5-2 Protection degree EN			Stop
Function indicator LAN: LED yellow LASER: LED green STATUS: LED green Electrical specifications STATUS: LED green Operating voltage UB 24 V DC ± 10 %, SELV/PELV Power consumption P0 max 5 W, Outputs without load Interface type Ethernet via TCP/IP, 100 Mbit/s Interface type Input voltage 24 V Number/Type 3 digital inputs and external trigger Output Number/Type 2 digital outputs Number/Type 2 digital outputs Switching type PNP Switching type PNP Switching type PNP Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + 1/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material Interface Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Protection degree Initieriference EN 60947-5-2 Protectin degree	Indicators/operating means		
LASER: LÉD green STATUS: LED green Operating voltage Ug 24 V DC ± 10 %, SELV/PELV Power consumption Po max. 5 W, Outputs without load Interface Interface Interface Interface type Ethernet via TCP/IP, 100 Mbit/s Interface Input 3 digital inputs and external trigger Output Number/Type 2 digital outputs Switching voltage 24 V Mumber/Type 2 digital outputs Switching voltage 24 V Ambient conditions Ambient conditions Ambient conditions Interface Ambient conditions 040 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) (-4-pin, M12 x 1 socket, D-coded (Ethernet) Material Material anodized aluminum Optical face glass pane Maprox. 500 g Compliance with standards and directives Standard conformity EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Entited interference EN 60947-5-2	Operation indicator		POWER: LED green
Operating voltage UB 24 V DC ± 10 %, SELV/PELV Power consumption P0 max. 5 W, Outputs without load Interface Ethernet via TCP/IP, 100 Mbit/s Input Input voltage 24 V Number/Type 3 digital inputs and external trigger Output Number/Type 2 digital outputs Switching type Switching type PNP Switching voltage 24 V Ambient conditions -20 70 °C (32 104 °F) Storage temperature -20 70 °C (4 158 °F) Mechanical specifications -20 70 °C (4 158 °F) Storage temperature -20 70 °C (4 158 °F) Meterial -20 70 °C (4 158 °F) Storage temperature -20 70 °C (4 158 °F) Material -20 70 °C (4 158 °F) Storage temperature -20 70 °C (4 158 °F) Material -20 70 °C (4 158 °F) Storage temperature -20 70 °C (4 158 °F) Material -20 70 °C (4 158 °F) Storage temperature -20 70 °C (4 158 °F) Material -20 70 °C (4 158 °F) Storage temperature -20 70 °C (4 158 °F) <td colspan="2">Function indicator</td> <td>LASER: LED green</td>	Function indicator		LASER: LED green
Power consumption Po max. 5 W, Outputs without load Interface Ethernet via TCP/IP, 100 Mbit/s Input Ethernet via TCP/IP, 100 Mbit/s Input Input voltage 24 V Number/Type 3 digital inputs and external trigger Output Voltage 24 V Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions Ambient conditions -20 70 °C (-4 158 °F) Mechanical specifications Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) (-4-pin, M12 x 1 socket, D-coded (Ethernet) Material -0using anodized aluminum Optical face glass pane Material Ethernet visit 500 g Compliance with standards and directives Standard conformity Ethe 60847-5-2 Protection degree Ethe 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 The irradiation can lead to irritation especially in a dark environment. Do not point at people! <td>Electrical specifications</td> <td></td> <td></td>	Electrical specifications		
Interface Ethernet via TCP/IP, 100 Mbit/s Input Input voltage 24 V Number/Type 3 digital inputs and external trigger Output V Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions Ambient conditions Ambient temperature 0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree Protection degree IP65 Connection &-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60925-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser class IEC6 60825-1:2007 Complies with 21 CF	Operating voltage	UB	24 V DC ± 10 %, SELV/PELV
Interface type Ethernet via TCP/IP, 100 Mbit/s Input Input voltage 24 V Input voltage 24 V Number/Type 3 digital inputs and external trigger Output Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions - Ambient temperature 0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications - Protection degree IP65 Connection &-pin, M12 x 1 connector (supply voltage + I/O) Aterial - Housing anodized aluminum Optical face glass pane Mas approx. 500 g Compliance with standards and directives - Standard conformity EN 60947-5-2 Noise immunity EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.	Power consumption	P ₀	max. 5 W , Outputs without load
Input Very Number/Type 24 V Number/Type 3 digital inputs and external trigger Output Very Number/Type 2 digital outputs Number/Type 2 digital outputs Switching type Switching type PNP Switching voltage 24 V Ambient conditions	Interface		
Input View Input voltage 24 V Number/Type 3 digital inputs and external trigger Output View Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions - Ambient temperature 0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications - Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) Aterial - Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives - Standard conformity EN 60947-5-2 Noise immunity EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser class IEC 60825-1:2007 complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to La	Interface type		Ethernet via TCP/IP, 100 Mbit/s
Input voltage 24 V Number/Type 3 digital inputs and external trigger Output Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions Ambient temperature 0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directi- ves Standard conformity Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personne!! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the	Input		
Number/Type 3 digital inputs and external trigger Output Vertical and trippe Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions	•		24 V
Output Variable in the interference Number/Type 2 digital outputs Switching type PNP Switching voltage 24 V Ambient conditions Interference Ambient conditions 0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) (4-pin, M12 x 1 socket, D-coded (Ethernet) Material anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, d			3 digital inputs and external trigger
Number/Type2 digital outputsSwitching typePNPSwitching voltage24 VAmbient conditionsImage: ConditionsAmbient temperature0 40 °C (32 104 °F)Storage temperature-20 70 °C (-4 158 °F)Mechanical specificationsIP65Protection degreeIP65Connection&-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet)MaterialImage: Connection degreeHousinganodized aluminumOptical faceglass paneMassapprox. 500 gCompliance with standards and directi- vesImage: Connection degreeStandard conformityEN 60947-5-2Noise immunityEN 60947-5-2Protection degreeEN 60947-5-2Protection degreeEN 60925-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11			
Switching type PNP Switching voltage 24 V Ambient conditions Ambient temperature Ambient temperature 0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) (4-pin, M12 x 1 socket, D-coded (Ethernet) Material anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 une 24, 2007 Laser Notice Iaser Class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable.	-		2 digital outputs
Switching voltage 24 V Ambient conditions 40 °C (32 104 °F) Ambient temperature -20 70 °C (4 158 °F) Mechanical specifications 70 °C (4 158 °F) Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material 70 °C (4 158 °F) Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directi- ves 70 °C (4 158 °F) Standard conformity EN 60947-5-2 Noise immunity EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 4007 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Atta			
Ambient conditions Ambient temperature 0 40 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) (4-pin, M12 x 1 socket, D-coded (Ethernet) Material Housing Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Protection degree EN 60925-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! <t< td=""><td colspan="2"></td><td></td></t<>			
Ambient temperature 040 °C (32 104 °F) Storage temperature -20 70 °C (-4 158 °F) Mechanical specifications Protection degree Protection degree IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 6029 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable			
Storage temperature-20 70 °C (-4 158 °F)Mechanical specificationsProtection degreeIP65Connection8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet)Materialanodized aluminumOptical faceglass pane approx. 500 gCompliance with standards and directivesStandard conformityNoise immunityEN 60947-5-2 Emitted interferenceProtection degreeEN 60947-5-2Protection degreeEN 60929Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser notice laser class 1• The irradiation can lead to irritation especially in a dark environment. Do not point at people!Maintenance and repairs should only be carried out by authorized service personnel!• Attach the device so that the warning is clearly visible and readable.• The warning accompanies the device and should be attached in immediate proximity to the			0 40 °C (32 104 °E)
Mechanical specifications IP65 Connection 8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60947-5-2 Laser class IEC 60825-11:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007	,		
Protection degreeIP65Connection8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet)Materialanodized aluminumOptical faceglass paneMassapprox. 500 gCompliance with standards and directivesStandard conformityEN 60947-5-2Moise immunityEN 60947-5-2Protection degreeEN 60947-5-2Protection degreeEN 60529Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser notice laser class 1• The irradiation can lead to irritation especially in a dark environment. Do not point at people!• Maintenance and repairs should only be carried out by authorized service personnel!• Attach the device so that the warning is clearly visible and readable.• The warning accompanies the device and should be attached in immediate proximity to the			-2070 C(-4158 P)
Connection 8-pin, M12 x 1 connector (supply voltage + I/O) 4-pin, M12 x 1 socket, D-coded (Ethernet) Material anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60929 Laser class IEC 60825-11:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the	•		IDor
4-pin, M12 x 1 socket, D-coded (Ethernet) Material Housing anodized aluminum Optical face glass pane Mass approx. 500 g Compliance with standards and directi- ves Standard conformity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-112007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 * The irradiation can lead to irritation = specially in a dark environment. Do not point at people! Maintenance and repairs should only be carried out by authorized service personnel! Attach the device so that the warning is clearly visible and readable. The warning accompanies the device and should be attached in immediate proximity to the	•		
Housinganodized aluminumOptical faceglass paneMassapprox. 500 gCompliance with standards and directi- vesStandard conformityEN 60947-5-2Noise immunityEN 60947-5-2Emitted interferenceEN 60947-5-2Protection degreeEN 60529Laser classIEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007Laser notice laser class 1• The irradiation can lead to irritation especially in a dark environment. Do not point at people!• Maintenance and repairs should only be carried out by authorized service personnel!• Attach the device so that the warning is clearly visible and readable.• The warning accompanies the device and should be attached in immediate proximity to the			
Optical face glass pane Mass approx. 500 g Compliance with standards and directives standard conformity Standard conformity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the • The warning accompanies the device and should be attached in immediate proximity to the			anodized aluminum
Mass approx. 500 g Compliance with standards and directives Standard conformity Standard conformity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the • Maintenance in mediate proximity to the	•		
Compliance with standards and directives Standard conformity Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the	•		
Standard conformity EN 60947-5-2 Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the	Compliance with standards and	directi-	
Noise immunity EN 60947-5-2 Emitted interference EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the			
Emitted interference EN 60947-5-2 Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the	-		EN 60947-5-2
Protection degree EN 60529 Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the			
Laser class IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007 Laser notice laser class 1 • The irradiation can lead to irritation especially in a dark environment. Do not point at people! • Maintenance and repairs should only be carried out by authorized service personnel! • Attach the device so that the warning is clearly visible and readable. • The warning accompanies the device and should be attached in immediate proximity to the			
 The irradiation can lead to irritation especially in a dark environment. Do not point at people! Maintenance and repairs should only be carried out by authorized service personnel! Attach the device so that the warning is clearly visible and readable. The warning accompanies the device and should be attached in immediate proximity to the 	Laser class		IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated
 The irradiation can lead to irritation especially in a dark environment. Do not point at people! Maintenance and repairs should only be carried out by authorized service personnel! Attach the device so that the warning is clearly visible and readable. The warning accompanies the device and should be attached in immediate proximity to the 	Laser notice laser class	1	
	 The irradiation can lead to irri Maintenance and repairs sho Attach the device so that the The warning accompanies th 	itation o ould on warnin	ly be carried out by authorized service personnel! g is clearly visible and readable.

• Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laserlabel

CLASS 1 LASER PRODUCT IEC 60825-1: 2007 certified. Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

Accessories

V19-G-5M-PUR-ABG

Female cordset, M12, 8-pin, shielded, PUR cable

V1SD-G-2M-PUR-ABG-V45-G

Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

V1SD-G-2M-PUR-ABG-V45X-G

Connection cable, M12 to RJ-45, PUR cable 4-pin, CAT5e

Other suitable accessories can be found at www.pepperl-fuchs.com

2

Germany: +49 621 776 4411

fa-info@de.pepperl-fuchs.com

