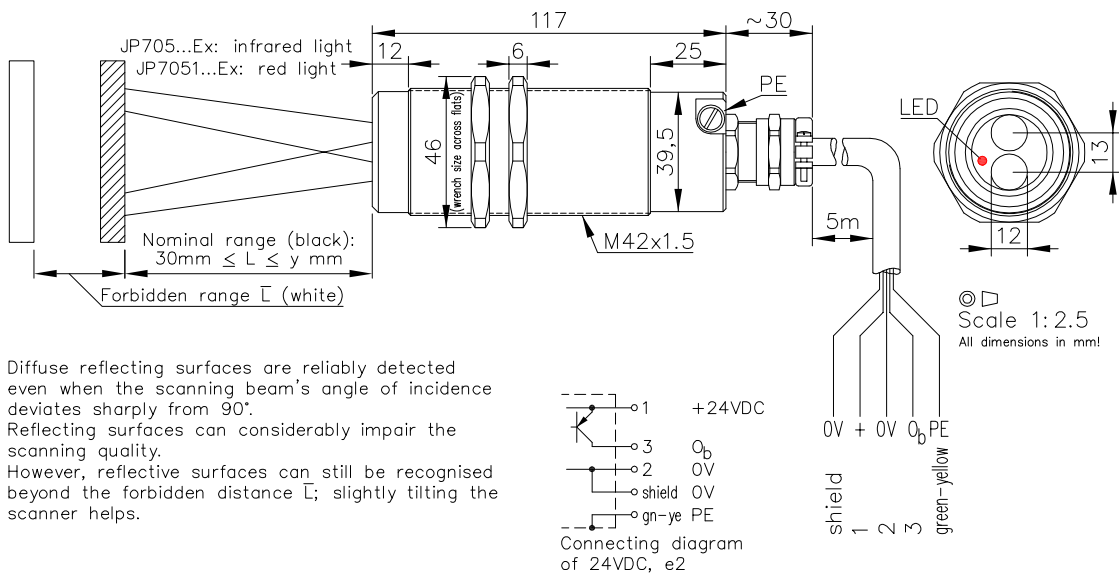
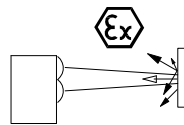


Diffuse-Reflective Sensor with passive Background Response Suppression

Types JP705/yL Ex & JP7051/yL Ex

30...100/200/300mm
600mm

Diffuse-Reflective Sensor with passive Background Response Suppression

JP705/yL Ex
JP7051/yL Ex

Order no.:

4129...
4129M01...

Technical Characteristics:

Housing	Stainless steel
Housing dimension	M42x1.5 x ~147mm
Weight	approx. 1500g (incl. 5m cable)
Protection mode	IP66
Ex marking	gas: Ex II 2G Ex db IIC T6 Gb dust: Ex II 2D Ex tb IIIC T80°C Db
Certificate No.	ATEX: BVS 08 ATEX E 122 X IECEX: IECEX BVS 12.0029X
Connection	5m No.-cable, 4x0.75mm ² , shielded
Supply	24VDC/40mA/<1W without load
Output	pnp 50mA s.c.-prot., e2
Signal mode	brightswitching
Transmitter light	JP705/yL Ex: LED 850...880nm, invisible JP7051/yL Ex: LED 650nm, visible
Steady light resistance	>80kLx
Interference suppress.	Forced synchronization
Access time	<12ms/Switch transition
Switching rate	~40/s
Switch indicator	LED green
Ambient temperature	-20°C ≤ Ta ≤ +60°C

Special design:

Signal mode darkswitching

Accessories:

Adjustment flange JFM42, #8664
Elbow tube adjustment ADM42SS1, #8665
Diaphragms, optical filter

Sensor ranges:

Type	y	Order no.:	Nominal range L (black)	Forbidden range \bar{L} (white)	Distance of max. power reserve
JP705/100L Ex		4129A01	approx. 30 ≤ L ≤ 100mm	100...~250mm	approx. 50mm >100 (black)
JP7051/100L Ex		4129M01A01	approx. 30 ≤ L ≤ 100mm	100...~250mm	approx. 50mm >100 (black)
JP705/200L Ex		4129A02	approx. 30 ≤ L ≤ 200mm	200...~450mm	approx. 50mm >100 (black)
JP7051/200L Ex		4129M01A02	approx. 30 ≤ L ≤ 200mm	200...~450mm	approx. 50mm >100 (black)
JP705/300L Ex		4129A03	approx. 30 ≤ L ≤ 300mm	300...~600mm	approx. 50mm >100 (black)
JP7051/300L Ex		4129M01A03	approx. 30 ≤ L ≤ 300mm	300...~600mm	approx. 50mm >100 (black)

4129 DE (24.04.12 tb) (24.08.17 tb)
 E_4129_1 (07.05.12 tb) (17.08.23 TBR)
 (20.01.10 tb) (16.05.12 tb)
 (17.02.12 tb) (03.05.13 tb)