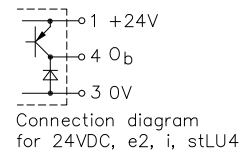
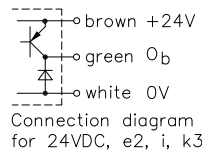


Diffuse-Reflective Sensor with passive Background Response Suppression

Types JP705/...L & JP7051/...L



Diffuse Reflective surfaces are themselves reliably recognizable under beam incidence angles which sharply deviate from 90°. On reflective surfaces the detection quality can be considerably impaired. However, reflective surfaces can still be recognized beyond the forbidden distance L ; slightly tilting the detection helps.



Technical characteristics:

Housing	Brass, nickel-plated
Housing dimensions	M30x1,5x85
Weight	approx. 350g
Protection mode	IP65
Connection	3-wire cable, 3x0,5mm ² , k3
Supply	24VDC/40mA without load
Output	npn 60mA, s.c.-prot., e2
Signal mode	brightswitching, h
Transmitter light	JP705: LED 880nm, invisible JP7051: LED 650nm, visible
Steady light resist.	>80kLx
Interference suppress.	Forced synchronization
Access time	<12ms/switch transition
Switching rate	40/s
Switch indicator	LED green
Level indicator	4x LED red (DIANA, i)
Ambient temperature	-25...+60°C

Special Design:

Connection	4 pin Plug, stLU4
Output	npn 60mA, s.c.-prot., e3
Access time	"q": <2ms/switch transition
Switching rate	"q": 300/s
Signal Mode	darkswitching, d

Scanning ranges:

Type	x	Nominal range L (black)	Forbidden range L (white)	Distance of max. power reserve
JP705/100L		approx. 30 ≤ L ≤ 100mm	100...~250mm	approx. 50mm >100 (black)
JP7051/100L		approx. 30 ≤ L ≤ 100mm	100...~250mm	approx. 50mm >100 (black)
JP705/200L		approx. 30 ≤ L ≤ 200mm	200...~450mm	approx. 50mm >100 (black)
JP7051/200L		approx. 30 ≤ L ≤ 200mm	200...~450mm	approx. 50mm >100 (black)
JP705/300L		approx. 30 ≤ L ≤ 300mm	300...~600mm	approx. 50mm >100 (black)
JP7051/300L		approx. 30 ≤ L ≤ 300mm	300...~600mm	approx. 50mm >100 (black)

Order no.:

1270
1270M01

1270 DE (14.04.05 mi)
E_1270_1 (13.09.10 tb)
(17.01.03 gs) (08.05.14 tb)
(18.02.05 mi) 14.05.14 tb