

Color sensors



The di-soric color sensors detect colors and compare them to 100 saved reference color values. Through their perceptive functioning, which is similar to the human eye, small differences can be detected precisely. This makes the use of the devices in the area of quality testing possible - even under industrial ambient conditions.



 **di-soric**

FS-10 Compact 117

FS-50 Extended 117

FS-100 Advanced 117

FS-10 COMPACT, FS-50 EXTENDED, FS-100 ADVANCED

Technical data (typ.)	+20°C, 24 VDC
Emitting light source	White-light LED, can be turned off
Color resolution	DE Lab < 1
Protection type	IP 54
	IP 67 (FSB 10...)



	Operating distance (mm)	Measuring channels (number)	Number of color channels (Teach-in via button)	Number of outputs npn + pnp (push-pull)	Service voltage (VDC)	Color memory internal	Operation using software	Operation using buttons	Color channels with binary coding (number)	Fiber-optic cable adapter	Fixed optics	Lighting with aging-compensating white-light LED	Profibus	Ethernet	Product description
FS-10 Compact															
	See fiber-optic cables	1	1	1	10 to 28	1	■		■		■				FSB 10 M G1-B8
FS-50 Extended															
	See fiber-optic cables	1	4	4	18 to 28	100	■	■	15	■		■			FS 12-50 M G3-B8
	30 to 60										■	■			FS 50 M 60 G3-B8
	See fiber-optic cables	1	4	4	18 to 28	4		■		■		■			FSB 50 M G3-B8
	30 to 60										■	■			FSB 50 M 60 G3-B8
FS-100 Advanced															
	See fiber-optic cables	1	12	12	18 to 28	100	■	■	100	■		■			FS 12-100-1 M G8-B8
										■				■	FS 12-100-1 M G8-B8-E
	See fiber-optic cables	2	12	12	18 to 28	100	■	■	100	■					FS 12-100-2 M G8-B8
										■		■	■		FS 12-100-2 M G8-B8-PB
Accessories for color sensors															
	see "FS-Z Color sensor accessories," page 226														

