

Product No: 101167898

SCHMERSAL CSS8-180-2P-Y-LST SAFETY SENSOR 101167898

FEATURES

- Safety sensor with thermoplastic enclosure
- Features short circuit detection and recognition
- Equipped with safety functions and integral system diagnostics
- Provides 2 fail-safe digital outputs
- Allows for series-wiring of up to 16 sensors
- Comes with a 2-meter cable and an M12 connector (4-pole)
- ISO thread of the sensor is M18
- Operating voltage of 24 VDC with an operating current of 500 mA
- Conforms to utilisation categories DC-12/13 at 24 VDC, 0.5 A



Note: Inductive loads (e.g. contactors, relays, etc.) are to be suppressed by means of a suitable circuit.

General Information	
Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-27-03
eCl@ss Number, Version 9.0	27-27-27-04
ETIM 6.0	EC002549
ETIM 7.0	EC002549
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Series	CSS8-180
Working Principle	RFID
Technical Attributes	
Contact Material	Silver
Maximum Actuating Speed (m/s)	2

Maximum Fuse Rating	6 A gG D-fuse
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	20000000 Operations
No. of Auxiliary Contacts	3
No. of Safety Contacts	1
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	0.5
Rated Insulation Voltage (V)	500
Rated Maximum Operational Voltage DC (V)	24
Rated Short-circuit Current (A)	1000
Switching Element	NO contact, NC contact
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Offset roller lever K210
Enclosure Material	Aluminium
Gross Weight (g)	39.382
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	60
Minimum Ambient Temperature (°C)	-25
Minimum Temperature (°C)	-25
Net Weight (g)	3500

Dimensions

Sensor Height (mm)	33.2
Sensor Length (mm)	33

Protection & Standards

Degree of Protection	IP67
Standards	EN IEC 60947-5-2 / DIN VDE 0660-208

Resources

Product catalogue (Flipbook)

[Download from here](#)
