Solar cell CS10

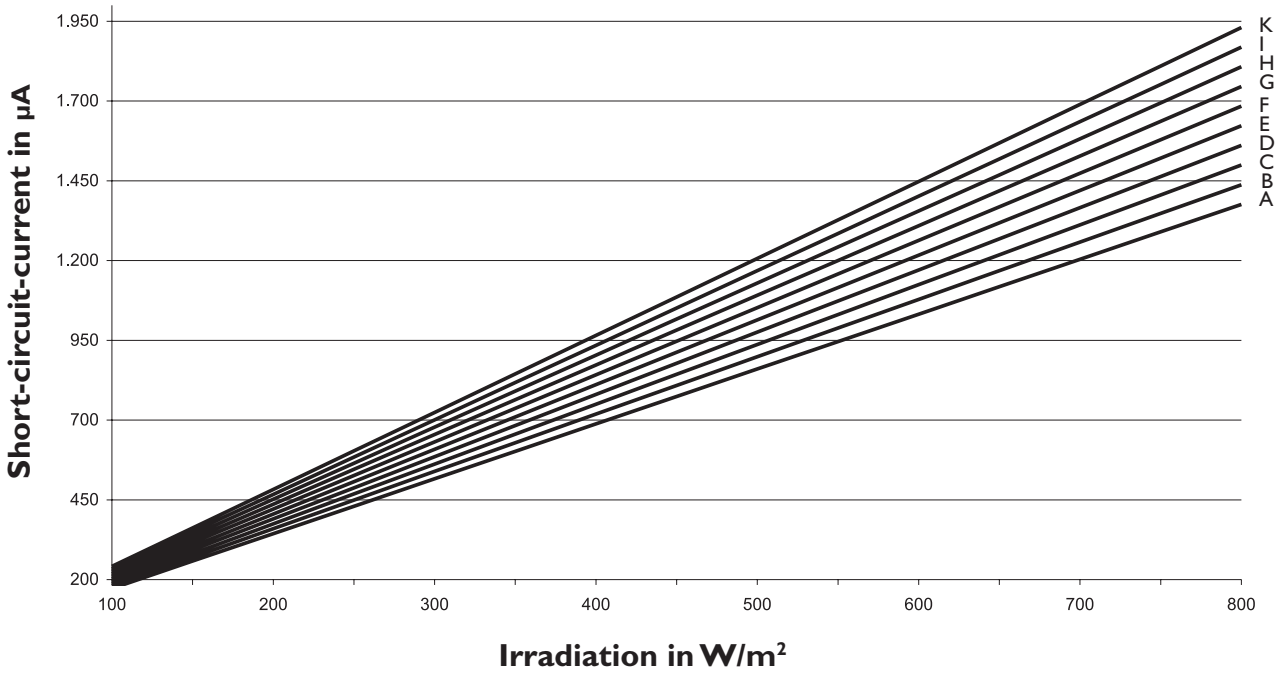
The CS10 solar cell measures the intensity of solar irradiation. The ratio between the short-circuit current and the intensity of the irradiation is proportional (see diagram).

Sensor class alpha	num	Short-circuit current [µA]
A	1	1.72
B	2	1.80
C	3	1.87
D	4	1.95
E	5	2.03
F	6	2.10
G	7	2.18
H	8	2.26
I	9	2.34
K	10	2.41

Referring to the solar irradiation per m² [W/m²]

Example: Sensor type E
At an irradiation of 450 W/m²,
the short-circuit current is
450 x 2,03 µA = 913,5 µA = 0,9135 mA

Graphical diagram of the short circuit current in relation to the irradiation



The connecting cable can be extended to up to 200 m (or up to an ohmic load of 200 W).