

Type	EGS12Z ^{b)}	EGS12Z2 ^{b)}	EGS61Z ^{b)}	LRW12D/MSR12 ¹⁾	MTR12/DCM12	MTR62
Contacts						
Contact material/contact gap	AgSnO ₂ /0.5 mm	AgSnO ₂ /0.5 mm	AgSnO ₂ /0.5 mm	OptoMOS	AgSnO ₂ /0.5 mm	AgSnO ₂ /0.5 mm
Spacing of control connections/contact	3 mm	3 mm	3 mm	3 mm/6 mm	3 mm	1 mm
Test voltage as per VDE 0110 control connection/contact	2000 V	2000 V	2000 V	LRW12D: 2000 V MSR12: 4000 V	2000 V	-
Rated switching capacity	10 A/250 V AC	5 A/250 V AC	10 A/250 V AC	50 mA/8...230 V UC	5 A/250 V AC DCM: 90 W	4 A/250 V AC
Inductive load cos φ = 0.6/230 V AC inrush current \leq 35 A	650 W	650 W ²⁾	650 W	-	MTR12: 650 W ²⁾	650 W
Life at rated load, cos φ = 0.6	>4x10 ⁴	>4x10 ⁴	>4x10 ⁴	-	>4x10 ⁴	>4x10 ⁴
Switch position indication	WA and RV	WA and RV	-	LRW12D: Display MSR12: LED	LED	-
Maximum conductor cross-section (3-fold terminal)	6 mm ² (4 mm ²)	6 mm ² (4 mm ²)	4 mm ²	6 mm ² (4 mm ²)	6 mm ² (4 mm ²)	2.5 mm ²
Two conductors of same cross-section (3-fold terminal)	2.5 mm ² (1.5 mm ²)	2.5 mm ² (1.5 mm ²)	1.5 mm ²	2.5 mm ² (1.5 mm ²)	2.5 mm ² (1.5 mm ²)	-
Screw head	slotted /cross-head, pozidriv	slotted /cross-head, pozidriv	slotted /crosshead	slotted /cross-head, pozidriv	slotted /cross-head, pozidriv	-
Type of connection	-	-	-	-	-	plug-in terminals
Type of enclosure/terminals	IP50/IP20	IP50/IP20	IP30/IP20	IP50/IP20	IP50/IP20	IP50/IP20
Electronics						
Time on (also for central on/off)	100%	100%	100%	100%	100%	100%
Max./min. temperature at mounting location	+50°C/-20°C	+50°C/-20°C	+50°C/-20°C	+50°C/-20°C	+50°C/-20°C	+50°C/-20°C
Standby loss (active power) at 230 V	0.4 W	0.9 W	0.4 W	LRW12D: 0.5 W MSR12: -	MTR12: 0.5 W	-
Standby loss (active power) at 24 V	0.1 W	0.1 W	-	LRW12D: 0.1 W MSR12: 0.5 W	DCM12: 0.07 W	-
Standby loss (active power) at 12 V	0.05 W	0.05 W	-	LRW12D: 0.05 W MSR12: -	-	-
Control current A1 or A3-A8 at 12/24/230 V \pm 20%	0.05/0.11/0.7 mA	0.05/0.11/0.7 mA	-/-/0.7 mA	-	0.1/0.2/1 mA	4 mA
Max. parallel capacitance (approx. length) of control lead at 230 V AC	0.06 μ F (200 m)	0.06 μ F (200 m)	A7/A8 0.3 μ F (1000 m) A1 30 nF (100 m)	-	0.3 μ F (1000 m)	10 nF (30 m)
Min. command duration	50 ms	50 ms	50 ms	-	-	50 ms

^{b)} Bistable relay as relay contact. Do not connect the switched consumer to the mains before the short automatic synchronisation after installation has terminated.

¹⁾ After installation and after a power failure the multisensor needs approx. 1 minute before the wind sensor is active. During this process the outputs wind and sun of the MSR12-UC are blocked and 3 LEDs flash slowly.

²⁾ Inductive load cos φ = 0.6 as sum of both contacts 1000 W max.

If necessary, see the operating instructions of the appropriate shading elements for the maximum wind speed that can be set for the sensor relays.

m/s	4	6	8	10	12	14	16
km/h	14.4	21.6	28.8	36.0	43.2	50.4	57.6
Bft	3	4	4	5	6	7	7

Do not route measurement leads parallel to other electrical lines - measurement leads must be screened statically if longer than 10m. For example JY-ST-Y. To extend leads use screw terminals and damp-proof connectors.

When selecting an installation site for light, wind and multi sensors, ensure that the sensors are not in the shadow of the objects being monitored.

According to DIN VDE 0100-443 and DIN VDE 0100-534, the installation of a surge arrester (SPD) is mandatory.
ELTAKO offers suitable, standard-compliant surge arresters of types 1, 2, and 3 - see Chapter 8, "Surge Arresters."