

Pilot devices Next generation pilot lights

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Taking ABB's compact pilot lights even further with the next generation design

In order to satisfy the growing needs of ABB's customers, the experienced ABB research and development team has developed the next generation of pilot lights. With the new product we have not only used a new, **more environmentally friendly polymer**, but also **improved the leakage current protection**. Through market studies, ABB has gained understanding on the importance of built-in depth, which is the reason that the new pilot light is 3 mm smaller than the previous generation.

Similar to the rest of ABB's compact range, the new line of pilot lights are cULus approved for Type 1, 3R, 4, 4X, 12, 13 and has the highest IP ratings, both IP67 and IP69K, and is therefore functional in the toughest environments. These features combined make the new product offering very competitive.

Pilot light ordering



CL2-506R

CL2-506G



CL2-506Y

CL2-506L



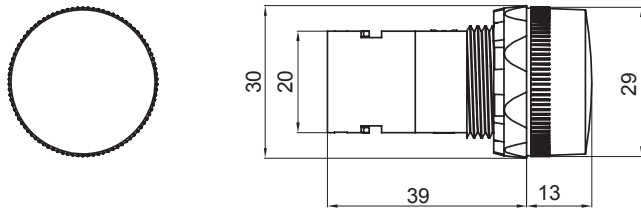
CL2-506C

| Description | Rated current mA | Anti-inductive Voltage (Vpeak) | Wavelength nm | Illumination lx | Order code | Pkg qty | Weight (1pc) Kg |
|--|------------------|--------------------------------|-----------------|-----------------|------------|---------|-----------------|
| Rated voltage 6,3 V DC | | | | | | | |
| ● Red | 16 | 2 | 625 | 70 | CL2-506R | 10 | 0,02 |
| ● Green | 16 | 2 | 520 | 125 | CL2-506G | 10 | 0,02 |
| ● Yellow | 16 | 2 | 590 | 75 | CL2-506Y | 10 | 0,02 |
| ● Blue | 16 | 2 | 470 | 10 | CL2-506L | 10 | 0,02 |
| ○ Clear | 16 | 2 | (X=0.31,Y=0.32) | 290 | CL2-506C | 10 | 0,02 |
| Rated voltage 12 V DC | | | | | | | |
| ● Red | 16 | 2 | 625 | 110 | CL2-501R | 10 | 0,02 |
| ● Green | 16 | 2,5 | 520 | 165 | CL2-501G | 10 | 0,02 |
| ● Yellow | 16 | 2,5 | 590 | 85 | CL2-501Y | 10 | 0,02 |
| ● Blue | 16 | 2,5 | 470 | 15 | CL2-501L | 10 | 0,02 |
| ○ Clear | 16 | 2,5 | (X=0.31,Y=0.32) | 320 | CL2-501C | 10 | 0,02 |
| Rated voltage 24 V AC/DC | | | | | | | |
| ● Red | 16 | 6 | 625 | 80 | CL2-502R | 10 | 0,02 |
| ● Green | 16 | 6 | 520 | 135 | CL2-502G | 10 | 0,02 |
| ● Yellow | 16 | 6 | 590 | 55 | CL2-502Y | 10 | 0,02 |
| ● Blue | 16 | 6 | 470 | 10 | CL2-502L | 10 | 0,02 |
| ○ Clear | 16 | 6 | (X=0.31,Y=0.32) | 230 | CL2-502C | 10 | 0,02 |
| Rated voltage 48-60 V AC/DC | | | | | | | |
| ● Red | 13-17 | 7 | 625 | 75 | CL2-507R | 10 | 0,02 |
| ● Green | 13-17 | 7 | 520 | 140 | CL2-507G | 10 | 0,02 |
| ● Yellow | 13-17 | 7 | 590 | 80 | CL2-507Y | 10 | 0,02 |
| ● Blue | 13-17 | 7 | 470 | 10 | CL2-507L | 10 | 0,02 |
| ○ Clear | 13-17 | 7 | (X=0.31,Y=0.32) | 260 | CL2-507C | 10 | 0,02 |
| Rated voltage 110-130 V AC | | | | | | | |
| ● Red | 15-17 | 20 | 625 | 85 | CL2-513R | 10 | 0,02 |
| ● Green | 15-17 | 20 | 520 | 90 | CL2-513G | 10 | 0,02 |
| ● Yellow | 15-17 | 20 | 590 | 85 | CL2-513Y | 10 | 0,02 |
| ● Blue | 15-17 | 20 | 470 | 10 | CL2-513L | 10 | 0,02 |
| ○ Clear | 15-17 | 20 | (X=0.31,Y=0.32) | 340 | CL2-513C | 10 | 0,02 |
| Rated voltage 110-130 V DC | | | | | | | |
| ● Red | 8-9 | 20 | 625 | 55 | CL2-515R | 10 | 0,02 |
| ● Green | 8-9 | 20 | 520 | 125 | CL2-515G | 10 | 0,02 |
| ● Yellow | 8-9 | 20 | 590 | 50 | CL2-515Y | 10 | 0,02 |
| ● Blue | 8-9 | 20 | 470 | 10 | CL2-515L | 10 | 0,02 |
| ○ Clear | 8-9 | 20 | (X=0.31,Y=0.32) | 210 | CL2-515C | 10 | 0,02 |
| Rated voltage 220 V DC | | | | | | | |
| ● Red | 6 | 20 | 625 | 40 | CL2-520R | 10 | 0,02 |
| ● Green | 6 | 20 | 520 | 90 | CL2-520G | 10 | 0,02 |
| ● Yellow | 6 | 20 | 590 | 30 | CL2-520Y | 10 | 0,02 |
| ● Blue | 6 | 20 | 470 | 5 | CL2-520L | 10 | 0,02 |
| ○ Clear | 6 | 20 | (X=0.31,Y=0.32) | 120 | CL2-520C | 10 | 0,02 |
| Rated voltage 230 V AC | | | | | | | |
| ● Red | 17 | 30 | 625 | 95 | CL2-523R | 10 | 0,02 |
| ● Green | 17 | 35 | 520 | 155 | CL2-523G | 10 | 0,02 |
| ● Yellow | 17 | 35 | 590 | 70 | CL2-523Y | 10 | 0,02 |
| ● Blue | 17 | 35 | 470 | 10 | CL2-523L | 10 | 0,02 |
| ○ Clear | 17 | 35 | (X=0.31,Y=0.32) | 225 | CL2-523C | 10 | 0,02 |
| Rated voltage 230 V AC with 60 V anti-inductive voltage | | | | | | | |
| ● Red | 17 | 60 | 625 | 75 | CL2-623R | 10 | 0,02 |
| ● Green | 17 | 80 | 520 | 70 | CL2-623G | 10 | 0,02 |
| ● Yellow | 17 | 70 | 590 | 50 | CL2-623Y | 10 | 0,02 |
| ● Blue | 17 | 80 | 470 | 5 | CL2-623L | 10 | 0,02 |
| ○ Clear | 17 | 80 | (X=0.31,Y=0.32) | 155 | CL2-623C | 10 | 0,02 |
| Rated voltage 380-415 V AC | | | | | | | |
| ● Red | 15-17 | 55 | 625 | 85 | CL2-542R | 10 | 0,02 |
| ● Green | 15-17 | 65 | 520 | 130 | CL2-542G | 10 | 0,02 |
| ● Yellow | 15-17 | 65 | 590 | 60 | CL2-542Y | 10 | 0,02 |
| ● Blue | 15-17 | 65 | 470 | 10 | CL2-542L | 10 | 0,02 |
| ○ Clear | 15-17 | 65 | (X=0.31,Y=0.32) | 395 | CL2-542C | 10 | 0,02 |

Pilot light technical data

| Technical data | |
|---|--|
| Protection degree of panel front | UL/CSA: Type 1, 3R, 4, 4X, 12, 13, IEC: IP66, IP67 and IP69K |
| Protection degree of terminals | IP20 |
| Service life | ≥50,000 hrs, operating at 25°C, 40~70%rh |
| UV stabilization | Yes |
| Connectable area | Min 1x0.5 mm ² 1 x AWG 22 Max 2x2.5 mm ² 2 x AWG 14 |
| Approval | cULus, CCC, CE |
| Operation temperature (°C) | -25 to +70 |
| Storage temperature (°C) | -40 to +85 |
| Flammability of material of current carrier | V2 (halogen and phosphorus free) |
| Voltage fluctuation range | Design for -30% to +10% |
| Panel thickness (mm) | 1 to 6 |
| Package | 10 pcs packed in 1 bag + print on bag |
| Text cap | Yes |
| Tightening torque of Nut | 2.0 to 2.3 N•m |
| Tightening torque of M3.5 cable clamp | 0.9 N•m |
| Screw terminal | PZ2 |

Drawing



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