

Pilot devices Next generation pilot lights

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

Choosing an ABB compact pilot light means choosing the benefits of reliability, eco friendliness and optimized design. With the next generation of products, a new, more environmentally friendly polymer is used thus helping saving the natural resources. Additionally the protection against leakage current has been improved and the size has been reduced by 3 mm compared to the previous generation as the built-in depth has been optimized.

Similar to the rest of ABB's compact range, the new line of pilot lights 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 on the global market.

Pilot light ordering



CL2-506R

CL2-506G



CL2-506Y

CL2-506L



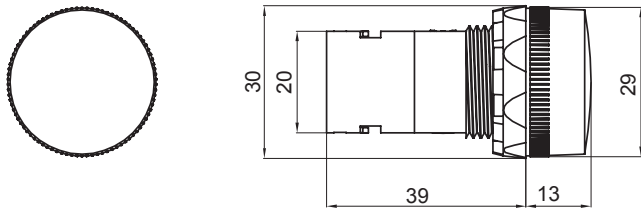
CL2-506C

| Description | Rated current mA | Anti-inductive Voltage (Vpeak) | Wavelength nm | Illumination lx | Type | Order code | Pkg qty | Weight (1pc) Kg |
|--|------------------|--------------------------------|-----------------|-----------------|----------|-----------------|---------|-----------------|
| Rated voltage 6,3 V DC | | | | | | | | |
| Red | 16 | 2 | 625 | 70 | CL2-506R | 1SFA619403R5061 | 1x10 | 0,0185 |
| Green | 16 | 2 | 520 | 125 | CL2-506G | 1SFA619403R5062 | 1x10 | 0,0185 |
| Yellow | 16 | 2 | 590 | 75 | CL2-506Y | 1SFA619403R5063 | 1x10 | 0,0185 |
| Blue | 16 | 2 | 470 | 10 | CL2-506L | 1SFA619403R5064 | 1x10 | 0,0185 |
| Clear | 16 | 2 | (X=0.31,Y=0.32) | 290 | CL2-506C | 1SFA619403R5068 | 1x10 | 0,0185 |
| Rated voltage 12 V DC | | | | | | | | |
| Red | 16 | 2 | 625 | 110 | CL2-501R | 1SFA619403R5011 | 1x10 | 0,0185 |
| Green | 16 | 2.5 | 520 | 165 | CL2-501G | 1SFA619403R5012 | 1x10 | 0,0185 |
| Yellow | 16 | 2.5 | 590 | 85 | CL2-501Y | 1SFA619403R5013 | 1x10 | 0,0185 |
| Blue | 16 | 2.5 | 470 | 15 | CL2-501L | 1SFA619403R5014 | 1x10 | 0,0185 |
| Clear | 16 | 2.5 | (X=0.31,Y=0.32) | 320 | CL2-501C | 1SFA619403R5018 | 1x10 | 0,0185 |
| Rated voltage 24 V AC/DC | | | | | | | | |
| Red | 16 | 6 | 625 | 80 | CL2-502R | 1SFA619403R5021 | 1x10 | 0,0185 |
| Green | 16 | 6 | 520 | 135 | CL2-502G | 1SFA619403R5022 | 1x10 | 0,0185 |
| Yellow | 16 | 6 | 590 | 55 | CL2-502Y | 1SFA619403R5023 | 1x10 | 0,0185 |
| Blue | 16 | 6 | 470 | 10 | CL2-502L | 1SFA619403R5024 | 1x10 | 0,0185 |
| Clear | 16 | 6 | (X=0.31,Y=0.32) | 230 | CL2-502C | 1SFA619403R5028 | 1x10 | 0,0185 |
| Rated voltage 48-60 V AC/DC | | | | | | | | |
| Red | 13-17 | 7 | 625 | 75 | CL2-507R | 1SFA619403R5071 | 1x10 | 0,0185 |
| Green | 13-17 | 7 | 520 | 140 | CL2-507G | 1SFA619403R5072 | 1x10 | 0,0185 |
| Yellow | 13-17 | 7 | 590 | 80 | CL2-507Y | 1SFA619403R5073 | 1x10 | 0,0185 |
| Blue | 13-17 | 7 | 470 | 10 | CL2-507L | 1SFA619403R5074 | 1x10 | 0,0185 |
| Clear | 13-17 | 7 | (X=0.31,Y=0.32) | 260 | CL2-507C | 1SFA619403R5078 | 1x10 | 0,0185 |
| Rated voltage 110-130 V AC | | | | | | | | |
| Red | 15-17 | 20 | 625 | 85 | CL2-513R | 1SFA619403R5131 | 1x10 | 0,0185 |
| Green | 15-17 | 20 | 520 | 90 | CL2-513G | 1SFA619403R5132 | 1x10 | 0,0185 |
| Yellow | 15-17 | 20 | 590 | 85 | CL2-513Y | 1SFA619403R5133 | 1x10 | 0,0185 |
| Blue | 15-17 | 20 | 470 | 10 | CL2-513L | 1SFA619403R5134 | 1x10 | 0,0185 |
| Clear | 15-17 | 20 | (X=0.31,Y=0.32) | 340 | CL2-513C | 1SFA619403R5138 | 1x10 | 0,0185 |
| Rated voltage 110-130 V DC | | | | | | | | |
| Red | 8-9 | 20 | 625 | 55 | CL2-515R | 1SFA619403R5151 | 1x10 | 0,0185 |
| Green | 8-9 | 20 | 520 | 125 | CL2-515G | 1SFA619403R5152 | 1x10 | 0,0185 |
| Yellow | 8-9 | 20 | 590 | 50 | CL2-515Y | 1SFA619403R5153 | 1x10 | 0,0185 |
| Blue | 8-9 | 20 | 470 | 10 | CL2-515L | 1SFA619403R5154 | 1x10 | 0,0185 |
| Clear | 8-9 | 20 | (X=0.31,Y=0.32) | 210 | CL2-515C | 1SFA619403R5158 | 1x10 | 0,0185 |
| Rated voltage 220 V DC | | | | | | | | |
| Red | 6 | 20 | 625 | 40 | CL2-520R | 1SFA619403R5201 | 1x10 | 0,0185 |
| Green | 6 | 20 | 520 | 90 | CL2-520G | 1SFA619403R5202 | 1x10 | 0,0185 |
| Yellow | 6 | 20 | 590 | 30 | CL2-520Y | 1SFA619403R5203 | 1x10 | 0,0185 |
| Blue | 6 | 20 | 470 | 5 | CL2-520L | 1SFA619403R5204 | 1x10 | 0,0185 |
| Clear | 6 | 20 | (X=0.31,Y=0.32) | 120 | CL2-520C | 1SFA619403R5208 | 1x10 | 0,0185 |
| Rated voltage 230 V AC | | | | | | | | |
| Red | 17 | 30 | 625 | 95 | CL2-523R | 1SFA619403R5231 | 1x10 | 0,0185 |
| Green | 17 | 35 | 520 | 155 | CL2-523G | 1SFA619403R5232 | 1x10 | 0,0185 |
| Yellow | 17 | 35 | 590 | 70 | CL2-523Y | 1SFA619403R5233 | 1x10 | 0,0185 |
| Blue | 17 | 35 | 470 | 10 | CL2-523L | 1SFA619403R5234 | 1x10 | 0,0185 |
| Clear | 17 | 35 | (X=0.31,Y=0.32) | 225 | CL2-523C | 1SFA619403R5238 | 1x10 | 0,0185 |
| Rated voltage 230 V AC with 60 V anti-inductive voltage | | | | | | | | |
| Red | 17 | 60 | 625 | 75 | CL2-623R | 1SFA619403R6231 | 1x10 | 0,0185 |
| Green | 17 | 80 | 520 | 70 | CL2-623G | 1SFA619403R6232 | 1x10 | 0,0185 |
| Yellow | 17 | 70 | 590 | 50 | CL2-623Y | 1SFA619403R6233 | 1x10 | 0,0185 |
| Blue | 17 | 80 | 470 | 5 | CL2-623L | 1SFA619403R6234 | 1x10 | 0,0185 |
| Clear | 17 | 80 | (X=0.31,Y=0.32) | 155 | CL2-623C | 1SFA619403R6238 | 1x10 | 0,0185 |
| Rated voltage 380-415 V AC | | | | | | | | |
| Red | 15-17 | 55 | 625 | 85 | CL2-542R | 1SFA619403R5421 | 1x10 | 0,0185 |
| Green | 15-17 | 65 | 520 | 130 | CL2-542G | 1SFA619403R5422 | 1x10 | 0,0185 |
| Yellow | 15-17 | 65 | 590 | 60 | CL2-542Y | 1SFA619403R5423 | 1x10 | 0,0185 |
| Blue | 15-17 | 65 | 470 | 10 | CL2-542L | 1SFA619403R5424 | 1x10 | 0,0185 |
| Clear | 15-17 | 65 | (X=0.31,Y=0.32) | 395 | CL2-542C | 1SFA619403R5428 | 1x10 | 0,0185 |

Pilot light technical data

| Technical data | |
|---|---|
| Protection degree of panel front | 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 , Max 2x2.5 mm ² |
| Approval | CCC, CE, UL |
| 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, consider bulk package of 100 pcs |
| 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



Contact us

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