

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



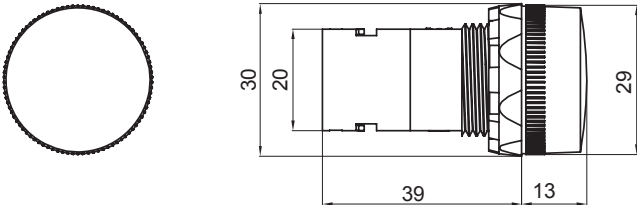
CL2-506C

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
O 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
O 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
O 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
O 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
O 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
O 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
O 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
O 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
O 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
O 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 mm² 1 x AWG 22 Max 2x2.5 mm² 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 1bag + 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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