Product news

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 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.

For internal use only

Pilot light ordering



CL2-506R



CL2-506G



CL2-506Y



CL2-506L



CL2-506C

Descrip-tion	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

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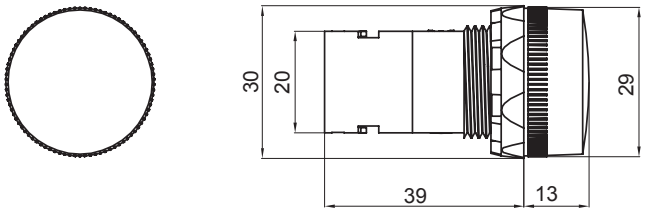
Pilot light technical data

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 mm², Max 2x2.5 mm²
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 1bag +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



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