CIVAUX

Product Catalogue
2021

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Thermal Products
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CAF11 - upto 25 m³/h

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Advanced Louvre design for high airflow

Clip Mounting System

Two systems for optimal airflow (in/out)

Permanent sealing gasket with Polyurethane Foam

Civaux new **Ultr-Thin** design Fan Filter comes with IP 55 protection using Polyurethane Foam gasket on the back and with **Clip Mounting System** it is easy to install on the cabinet by snapping the whole filter onto the pre-cut hole. The Filter Mat can also very changed very conveniently when required.

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Technical Data

Model	CAF11		
Rated Voltage	230V 50/60Hz	115V 50/60Hz	24V DC
RAL 7032	CAF11.240G.25	CAF11.115G.25	CAF11.24G.25
RAL 7035	CAF11.240W.25	CAF11.115W.25	CAF11.24W.25
Air flow, free blowing	20/25 m³/h		40m³/h
Axial Fan	Automatically shield pole motor		DC Motor
Rated current (A)	0.08/0.07	0.16/0.14	0.15
Power (W)	13/11	13/11	2.16
Noise level (dB)	36/38		34
Operating Temperature range	-10ºC to 55ºC		
Exit Filter	**CAF11.EX.G / CAF11.EX.W**		

Air Throughput

Available colors

RAL7035   RAL7032
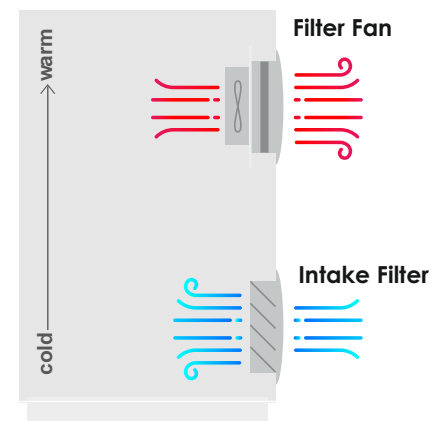
Fan & Filters CAF Series

CAF15 - upto 66 m³/h

Features

> **Advanced Louvre design for high airflow**

> **Clip Mounting System**

> **Two systems for optimal airflow (in/out)**

> **Permanent sealing gasket with Polyurethane Foam**

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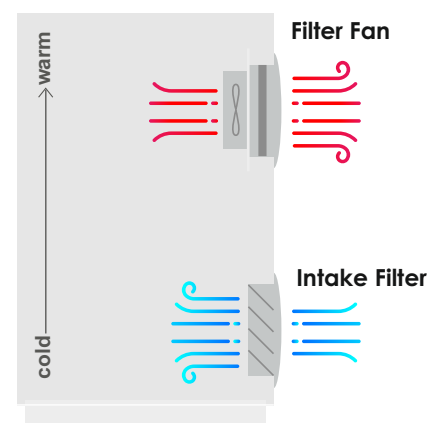
Technical Data

Model	CAF15		
Rated Voltage	230V 50/60Hz	115V 50/60Hz	24V DC
RAL 7032	CAF15.240G.66	CAF15.115G.66	CAF15.24G.66
RAL 7035	CAF15.240W.66	CAF15.115W.66	CAF15.24W.25
Air flow, free blowing	55/66 m³/h		75 m³/h
Axial Fan	Automatically shield pole motor		DC Motor
Rated current (A)		0.24/0.20	0.24
Power (W)	13/11	18/15	5.7
Noise level (dB)	50/52		
Operating Temperature range	-10°C to 55°C		
Exit Filter	**CAF15.EX.G / CAF15.EX.W**		

Air Throughput

Filter Fan

Intake Filter

Available colors

RAL7035   RAL7032

Thermal Products

Fan & Filters CAF Series

CAF25 - upto 120 m³/h

Features

> **Advanced Louvre design for high airflow**

> **Clip Mounting System**

> **Two systems for optimal airflow (in/out)**

> **Permanent sealing gasket with Polyurethane Foam**

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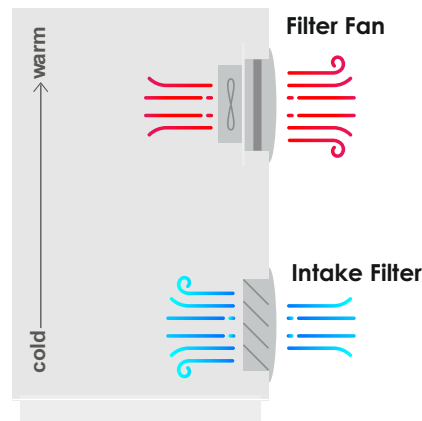
Technical Data

Model	CAF25		
Rated Voltage	230V 50/60Hz	115V 50/60Hz	24V DC
RAL 7032	CAF25.240G.120	CAF25.115G.120	CAF25.24G.120
RAL 7035	CAF25.240W.120	CAF25.115W.120	CAF25.24W.120
Air flow, free blowing	55/66 m³/h		75 m³/h
Axial Fan	Automatically shield pole motor		DC Motor
Rated current (A)		0.24/0.20	0.24
Power (W)	13/11	18/15	5.7
Noise level (dB)	50/52		
Operating Temperature range	-10ºC to 55ºC		
Exit Filter	**CAF15.EX.G / CAF15.EX.W**		

Air Throughput

Filter Fan

Intake Filter

warm

cold

Available colors

RAL7035   RAL7032

Fan & Filters CAF Series

CAF25 - upto 265 m^3/h

Features

> **Advanced Louvre design for high airflow**

> **Clip Mounting System**

> **Two systems for optimal airflow (in/out)**

> **Permanent sealing gasket with Polyurethane Foam**

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Technical Data

Model	CAF25	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CAF25.240G.265	CAF25.115G.265
RAL 7035	CAF25.240W.265	CAF25.115W.265
Air flow, free blowing	230/265 m^3/h	
Axial Fan	Automatically shield pole motor	
Rated current (A)	0.27/0.24	0.50
Power (W)	36	
Noise level (dB)	58	
Operating Temperature range	-10ºC to 55ºC	
Exit Filter	**CAF25.EX.G / CAF25.EX.W**	

Air Throughput

Filter Fan

Intake Filter

warm

cold

Available colors

RAL7035   RAL7032
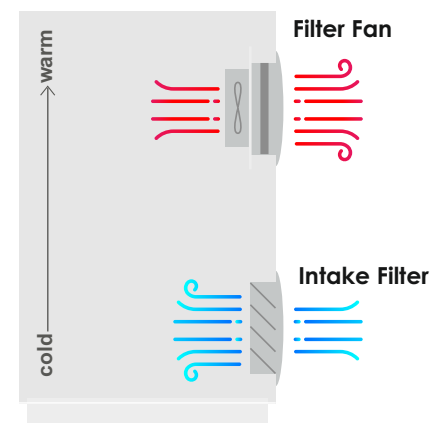
Fan & Filters CAF Series

CAF25 - upto 500 m^3/h

Features

> **Advanced Louvre design for high airflow**

> **Clip Mounting System**

> **Two systems for optimal airflow (in/out)**

> **Permanent sealing gasket with Polyurethane Foam**

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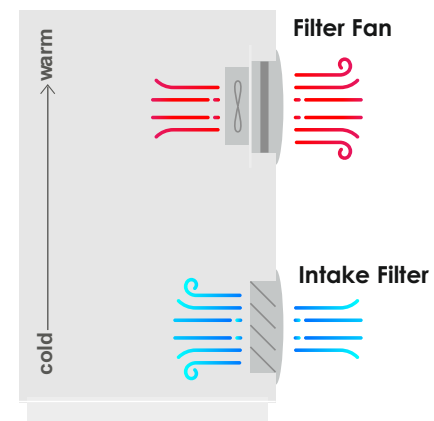
Technical Data

Model	CAF25	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CAF25.240G.500	CAF25.115G.500
RAL 7035	CAF25.240W.500	CAF25.115W.500
Air flow, free blowing	485/500 m^3/h	
Axial Fan	Automatically shield pole motor	
Rated current (A)	0.36/0.40	0.70/0.83
Power (W)	50/48	
Noise level (dB)	63/67	
Operating Temperature range	-10ºC to 55ºC	
Exit Filter	**CAF25.EX.G / CAF25.EX.W**	

Air Throughput

Filter Fan

Intake Filter

warm

cold

Available colors

RAL7035   RAL7032

Fan & Filters CAF Series

CAF32 - upto 560 m³/h

Features

> **Advanced Louvre design for high airflow**

> **Clip Mounting System**

> **Two systems for optimal airflow (in/out)**

> **Permanent sealing gasket with Polyurethane Foam**

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Technical Data

Model	CAF32	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CAF32.240G.560	CAF32.115G.560
RAL 7035	CAF32.240W.560	CAF32.115W.560
Air flow, free blowing	500/560 m³/h	
Axial Fan	Automatically shield pole motor	
Rated current (A)	0.29/0.33	0.61/0.63
Power (W)	65/77	61/71
Noise level (dB)	62/64	
Operating Temperature range	-10°C to 55°C	
Exit Filter	**CAF32.EX.G / CAF32.EX.W**	

Air Throughput

Filter Fan

Intake Filter

Available colors

RAL7035

RAL7032
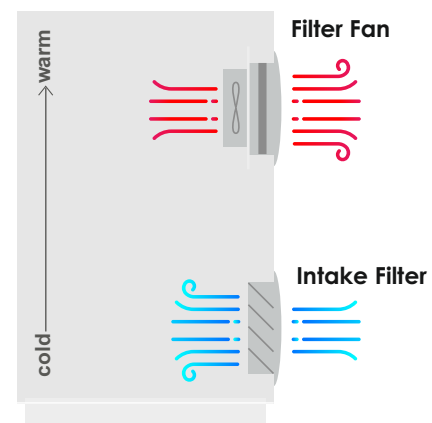
Fan & Filters CAF Series

CAF32 - upto 1100 m³/h

Features

> Advanced Louvre design for high airflow

> Clip Mounting System

> Two systems for optimal airflow (in/out)

> Permanent sealing gasket with Polyurethane Foam

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Whereas in the Air-out system, the filter fan is located in the upper area of the enclosure to avoid heat buildups (air- throughput).

Technical Data

Model	CAF32	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CAF32.240G.1100	CAF32.115G.1100
RAL 7035	CAF32.240W.1100	CAF32.115W.1100
Air flow, free blowing	1048/1156 m³/h	1180 m³/h
Axial Fan	Automatically shield pole motor	
Rated current (A)	0.47/0.59	1.10/1.20
Power (W)	104/135	110/136
Noise level (dB)	68/70	
Operating Temperature range	-10ºC to 55ºC	
Exit Filter	**CAF32.EX.G / CAF32.EX.W**	

Air Throughput

Available colors

RAL7035   RAL7032
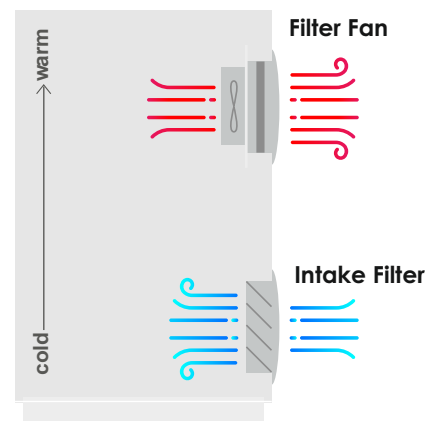
Fan & Filters Premium Range

CPF15 - upto 66 m^3/h

Features

> **Low Noise**
> **Advanced Louvre design for high airflow**
> **Optional Air Flow Sensor**
> **Clip Mounting System**
> **Slide to open the cover for filter mat replacement**
> **Two systems for optimal airflow (in/out)**
> **Permanent sealing gasket with Polyurethane Foam**

Civaux CPF series fan filters are **Premium Range** of product with optional airflow monitoring system, and tool less slide-the-button to open the cover to change the filter mat as simple for this range of product.

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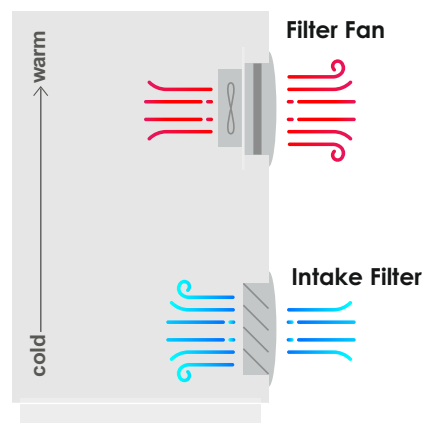
Technical Data

Model	CPF15		
Rated Voltage	230V 50/60Hz	115V 50/60Hz	24V DC
RAL 7032	CPF15.240G.66	CPF15.115G.66	CPF15.24G.66
RAL 7035	CPF15.240W.66	CPF15.115W.66	CPF15.24W.25
Air flow, free blowing	55/66 m^3/h		
Air flow with Export Filters	1xCPF15.EX/G 43/50 m^3/h		
Axial Fan	Automatically shield pole motor		DC Motor
Rated current (A)	0.12/0.10	0.24/0.20	0.3
Power (W)	19/14	18/15	3.5
Noise level (dB)	50/52		
Service Life	70,000 hours at 25 / 49,000 hours at 50		
Operating Temperature range	-10°C to 55°C		
Exit Filter	**CPF15.EX.G / CPF15.EX.W**		

Air Throughput

Filter Fan

Intake Filter

warm

cold

Available colors

RAL7035   RAL7032

Fan & Filters Premium Range

CPF20 - upto 120 m^3/h

Features

> **Low Noise**
> **Advanced Louvre design for high airflow**
> **Optional Air Flow Sensor**
> **Clip Mounting System**
> **Slide to open the cover for filter mat replacement**
> **Two systems for optimal airflow (in/out)**
> **Permanent sealing gasket with Polyurethane Foam**

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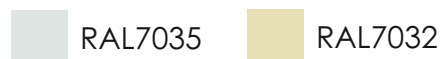
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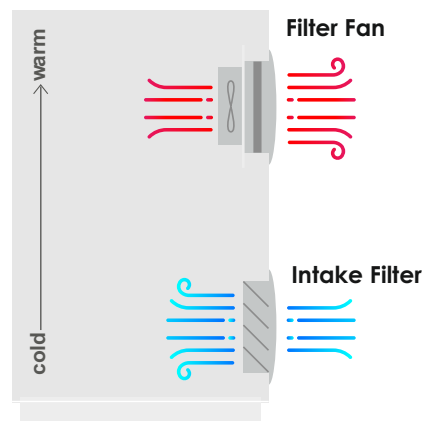
Technical Data

Model	CPF120		
Rated Voltage	230V 50/60Hz	115V 50/60Hz	24V DC
RAL 7032	CPF20.240G.120	CPF20.115G.120	CPF20.24G.120
RAL 7035	CPF20.240W.120	CPF20.115W.120	CPF20.24W.120
Air flow, free blowing	105/120 m^3/h		
Air flow with Export Filters	1xCPF20.EX/G 71/82 m^3/h		
Axial Fan	Automatically shield pole motor		DC Motor
Rated current (A)	0.12/0.10	0.24/0.20	0.3
Power (W)	19/14	18/15	3.5
Noise level (dB)	50/52		
Service Life	70,000 hours at 25 / 49,000 hours at 50		
Operating Temperature range	-10ºC to 55ºC		
Exit Filter	**CPF20.EX.G / CPF20.EX.W**		

Air Throughput

Filter Fan

Intake Filter

warm

cold

Available colors

RAL7035   RAL7032

Fan & Filters Premium Range

CPF25 - upto 260 m^3/h

Features

> **Low Noise**
> **Advanced Louvre design for high airflow**
> **Optional Air Flow Sensor**
> **Clip Mounting System**
> **Slide to open the cover for filter mat replacement**
> **Two systems for optimal airflow (in/out)**
> **Permanent sealing gasket with Polyurethane Foam**

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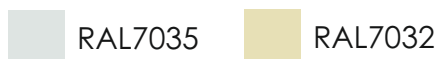
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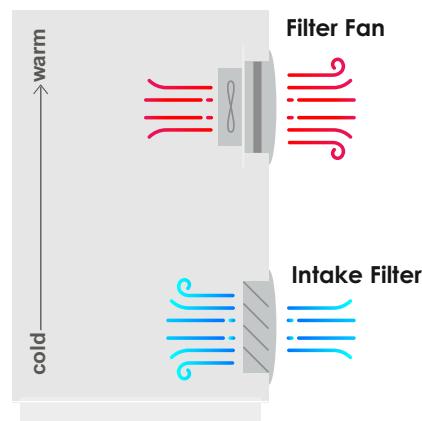
Technical Data

Model	CPF25		
Rated Voltage	230V 50/60Hz	115V 50/60Hz	24V DC
RAL 7032	CPF25.240G.260	CPF25.115G.260	CPF25.24G.260
RAL 7035	CPF25.240W.260	CPF25.115W.260	CPF25.24W.260
Air flow, free blowing	230/265 m^3/h		
Air flow with Export Filters	1xCPF25.EX/G 170/205 m^3/h		
Axial Fan	Automatically shield pole motor		DC Motor
Rated current (A)	0.26/0.20	0.51/0.42	0.46
Power (W)	37/33	40/35	14
Noise level (dB)	48/52		
Service Life	70,000 hours at 25 / 49,000 hours at 50		
Operating Temperature range	-10ºC to 55ºC		
Exit Filter	**CPF25.EX.G / CPF25.EX.W**		

Air Throughput

Filter Fan

Intake Filter

warm

cold

Available colors

RAL7035   RAL7032

Thermal Products
Fan & Filters Premium Range

CPF32 - upto 1280 m³/h

Features

> **Low Noise**
> **Advanced Louvre design for high airflow**
> **Optional Air Flow Sensor**
> **Clip Mounting System**
> **Slide to open the cover for filter mat replacement**
> **Two systems for optimal airflow (in/out)**
> **Permanent sealing gasket with Polyurethane Foam**

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Whereas in the Air-out system, the filter fan is located in the upper area of the enclosure to avoid heat buildups (air- throughput).

Technical Data

Model	CPF32	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CPF32.240G.1280	CPF32.115G.1280
RAL 7035	CPF32.240W.1280	CPF32.115W.1280
Air flow, free blowing	1282.44 m³/h	
Air flow with Export Filters	1xCPF32.EX/G 360/390 m³/h	
Axial Fan	Electric Capacitance	
Rated current (A)	0.26/0.20	0.51/0.42
Power (W)	65/77	61/71
Noise level (dB)	68/70	
Service Life	70,000 hours at 25 / 48,000 hours at 50	
Operating Temperature range	-10°C to 55°C	
Exit Filter	**CPF32.EX.G / CPF32.EX.W**	

Air Throughput

Filter Fan

Intake Filter

warm

cold

Available colors

RAL7035   RAL7032
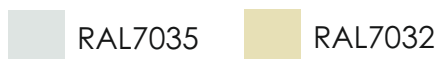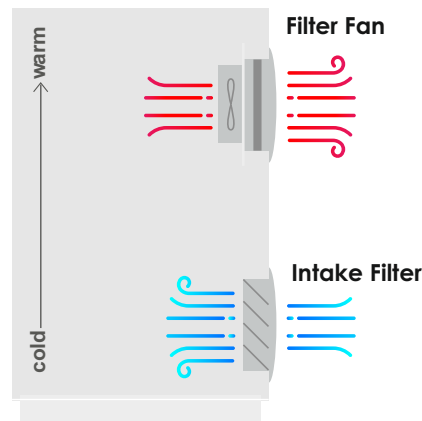
Fan & Filters Premium Range
Top Vent

CRF40 - upto 620 m³/h

Features

> **Low noise centrifugal fan**

> **Advanced ABS Louvre hood design for Increased Airflow**

> **Very minimal depth-usage of the enclosure**

> **The easy mounting system allows locking the fan from outside or inside of the enclosure**

> **Easy accessibility allows fast filter mat replacement**

> **Permanent sealing gasket with Polyurethane Foam**

Civaux **CRF series roof ventilators** are designed with **Low Noise Centrifugal Fans** which deliver a high-pressure air- throughput, when coupled with an appropriate inlet filter installed on the bottom of the enclosure. This high-pressure performance helps overcome the resistance of airflow within a densely configured enclosure.

The roof ventilators are an effective alternative to conventional fan filters. A roof unit which takes no internal space and will very effectively dissipate the warm air from the top of the unit.

Technical Data

Model	CRF 40	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CRF40.240G.620	CRP40.115G.620
RAL 7035	CRF40.240W.620	CRF40.115W.620
Air flow, free blowing No filter mat IP22 (m³/h)	570/620 m³/h	
Air flow, free blowing filter mat IP55 (m³/h)	430/465 m³/h	
Axial Fan	Electric Capacitance	
Rated current (A)	0.28/0.31	1.30/1.45
Power (W)	60/71	130/171
Noise level (dB)	71	
Operating Temperature range	-20°C to 55°C	
Exit Filter	CRF32.EX.G / CRF32.EX.W	

Air Throughput

Filter Fan

warm

cold

Intake Filter

Available colors

RAL7035   RAL7032
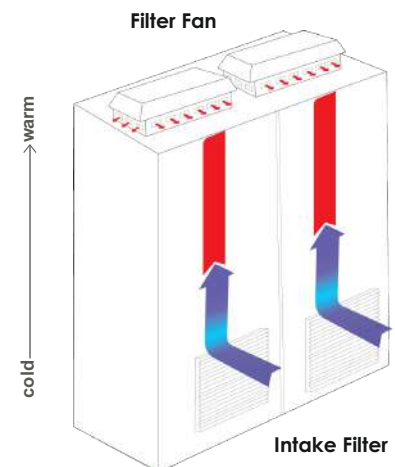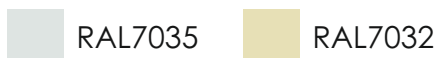
Fan & Filters Premium Range
Top Vent

CRF40 - upto 900 m^3/h

Features

> Low noise centrifugal fan

> Advanced ABS Louvre hood design for Increased Airflow

> Very minimal depth-usage of the enclosure

> The easy mounting system allows locking the fan from outside or inside of the enclosure

> Easy accessibility allows fast filter mat replacement

> Permanent sealing gasket with Polyurethane Foam

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Technical Data

Model	CRF 40	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CRF40.240G.900	CRP40.115G.900
RAL 7035	CRF40.240W.900	CRF40.115W.900
Air flow, free blowing No filter mat IP22 (m^3/h)	860/900 m^3/h	
Air flow, free blowing filter mat IP55 (m^3/h)	675/702 m^3/h	
Axial Fan	Electric Capacitance	
Rated current (A)	0.46/0.51	
Power (W)	98/118	
Noise level (dB)	74	
Operating Temperature range	-20°C to 55°C	
Exit Filter	**CRF32.EX.G / CRF32.EX.W**	

Air Throughput

Filter Fan

warm →

cold →

Intake Filter

Available colors

RAL7035   RAL7032
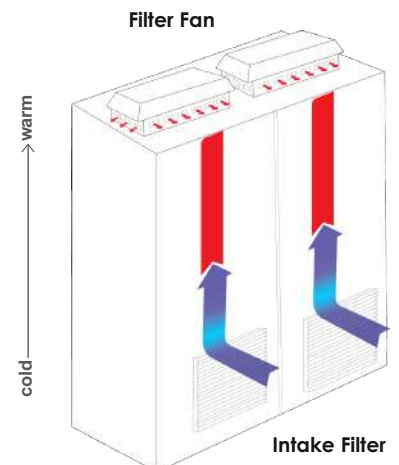
Fan & Filters Premium Range
Top Vent

CRF40 - upto 1300 m^3/h

Features

> Low noise centrifugal fan

> Advanced ABS Louvre hood design for Increased Airflow

> Very minimal depth-usage of the enclosure

> The easy mounting system allows locking the fan from outside or inside of the enclosure

> Easy accessibility allows fast filter mat replacement

> Permanent sealing gasket with Polyurethane Foam

Civaux **CRF series roof ventilators** are designed with **Low Noise Centrifugal Fans** which deliver a high-pressure air- throughput, when coupled with an appropriate inlet filter installed on the bottom of the enclosure. This high-pressure performance helps overcome the resistance of airflow within a densely configured enclosure.

The roof ventilators are an effective alternative to conventional fan filters. A roof unit which takes no internal space and will very effectively dissipate the warm air from the top of the unit.

Technical Data

Model	CRF 40	
Rated Voltage	230V 50/60Hz	115V 50/60Hz
RAL 7032	CRF40.240G.1300	CRP40.115G.1300
RAL 7035	CRF40.240W.1300	CRF40.115W.1300
Air flow, free blowing No filter mat IP22 (m^3/h)	1200/1340 m^3/h	
Air flow, free blowing filter mat IP55 (m^3/h)	870/960 m^3/h	
Axial Fan	Electric Capacitance	
Rated current (A)	0.60/0.74	
Power (W)	131/170	
Noise level (dB)	71	
Operating Temperature range	-20°C to 55°C	
Exit Filter	**CRF32.EX.G / CRF32.EX.W**	

Air Throughput

Filter Fan

warm

cold

Intake Filter

Available colors

RAL7035   RAL7032
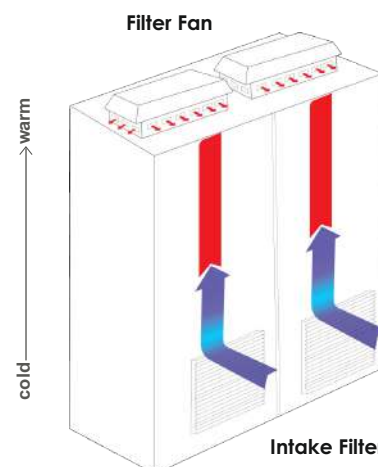
Thermostat for Cooling (N.O) / Heating (N.C)

CTO10 / CTC01

Features

> **Large setting range**
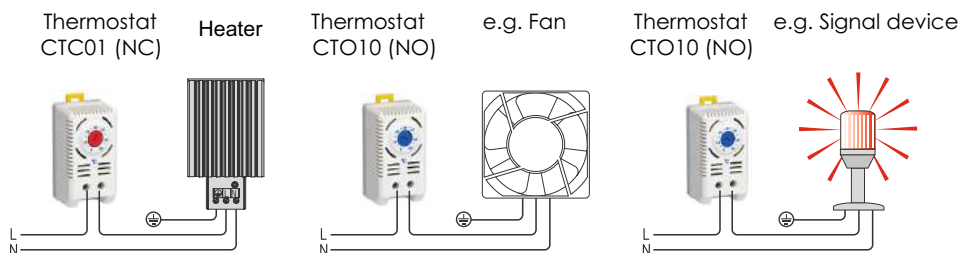> **Simple to mount**
> **Small Size**
> **High switching performance**

Technical Data

Model No	CTO10	CTC01
Contact	NO	NC
Switch temperature difference	7 K (±4 K tolerance)	
Sensor element	Thermostatic Bimetal	
Contact type	Snap-action Contact	
Service life	> 100,000 cycles	
Max. operating voltage	AC 250 V (VDE)	
	AC 120 V (UL)	
Max. inrush current	AC 16 A for 10 sec.	
Connection	2-pole terminal, clamping torque 0.5 Nm max.:	
	rigid wire 2.5 mm² (AWG 14)	
	stranded wire[1] 1.5 mm² (AWG 16)	
Mounting	clip for 35 mm DIN rail, EN 60715	
Casing	plastic according to UL94 V-0, light grey	
Dimensions	60 x 33 x 43 mm	
Weight	approx. 40 g	
Fitting position	variable	
Operating/Storage temperature	-45 to +80 °C (-49 to +176 °F)	
Operating/Storage humidity	max. 90 % RH (non-condensing)	
Protection type	IP20	

Dimensions

Sample Connections

Thermostat CTC01 (NC)　Heater

Thermostat CTO10 (NO)　e.g. Fan

Thermostat CTO10 (NO)　e.g. Signal device
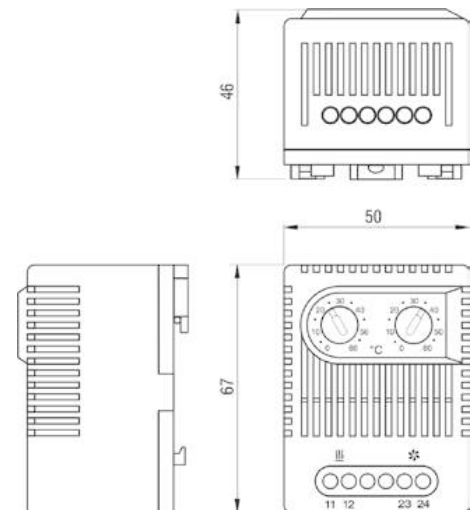
Thermostat Dual

CTD 11

Features

> **NO and NC in one casing**
> **Terminals easily accessible**
> **Separate adjustable temperatures**
> **High switching capacity**
> **Clip fixing**

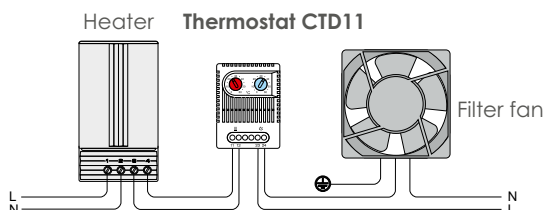## Technical Data

Switch temperature difference	7 K (±4 K tolerance)
Sensor element	Thermostatic Bimetal
Contact type	Snap-action Contact
Service life	> 100,000 cycles
Max. operating voltage	AC 250 V, 10 (2) A AC 120 V, 15 (2) A DC 30 W at DC 24 V to DC 72 V
Max. inrush current	AC 16 A for 10 sec.
Connection	4-pole terminal, clamping torque 0.5 Nm max.: rigid wire 2.5 mm² (AWG 14) stranded wire[1] 1.5 mm² (AWG 16)
Mounting	clip for 35 mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	67 x 50 x 46 mm
Weight	approx. 90 g
Fitting position	variable
Operating/Storage temperature	-45 to +80 °C (-49 to +176 °F)
Operating/Storage humidity	max. 90 % RH (non-condensing)
Protection type	IP20

Dimensions

Sample Connections

Heater   **Thermostat CTD11**

Filter fan

Regulators

Compact Thermostat for Cooling (NO) / Heating (NC)
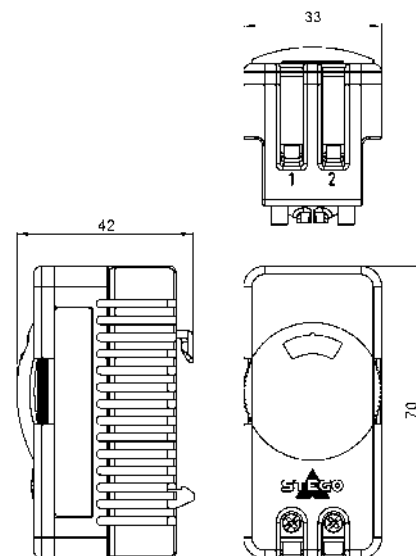
CTM10 / CTM01

Features

> **Thumbwheel setting dial**
> **Anti frost assurance**
> **Small hysteresis**
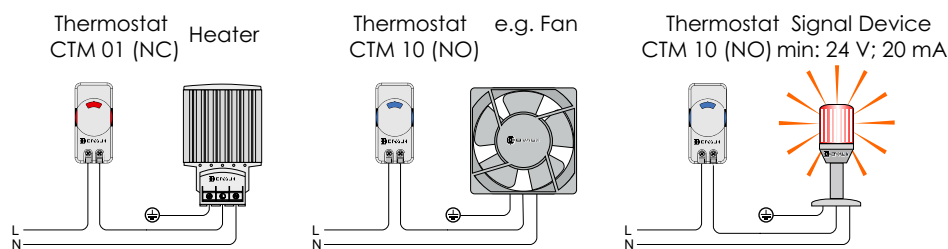> **High switching capacity**
> **Optimized housing for better air flow**

Technical Data

Model No	CTM10	CTM01
Contact	NO	NC
Switch temperature difference	4 K (±3 K tolerance)	
Sensor element	Thermostatic Bimetal	
Contact type	snap-action contact	
Service life	> 100,000 cycles	
Max. switching capacity	AC 250 V, 10 (2) A / AC 120 V, 15 (2) A DC 30 W at DC 24 V to DC 72 V	
Max. inrush current	AC 16 A for 10 sec.	
Connection	2-pole terminal, clamping torque 1 Nm max.: rigid/stranded[1] wire 2.5 mm² (AWG 14)	
Mounting	clip for 35 mm DIN rail, EN 60715	
Casing	plastic according to UL94V-0, light grey	
Dimensions	70 x 33 x 42 mm	
Weight	approx. 50 g	
Fitting position	variable	
Operating/Storage temperature	–45 to +80 °C (-49 to +176 °F)	
Operating/Storage humidity	max. 90 % RH (non-condensing)	
Protection type	IP20	

Dimensions

Sample Connections

Thermostat CTM 01 (NC)   Heater

Thermostat CTM 10 (NO)   e.g. Fan

Thermostat CTM 10 (NO)   Signal Device min: 24 V; 20 mA

Electronic Hygrostat

CHY011

Features

> **Temperature and humidity adjustable**

> **Wide voltage range**

> **Operating temperature down to -40 °C**

> **Status indicator (LED)**

> **High switching capacity**

Technical Data

Switch difference[1]	4 % RH (±3 % tolerance)
Permissible air velocity	15 m/sec.
Contact type	change-over contact
Service life	> 50,000 cycles
Min. switching capacity	AC 20 V / DC 100 mA
Max. switching capacity	AC 250 V, 5 A DC 20 W
Connection	3-pole terminal for 2.5 mm², clamping torque 0.5 Nm max.: rigid wire 2.5 mm² (AWG 14) stranded wire² 1.5 mm² (AWG 16)
Mounting	clip for 35 mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	67 x 50 x 38 mm
Weight	approx. 60 g
Fitting position	variable
Operating/Storage temperature	0 to +60 °C (+32 to +140 °F) / -40 to +60 °C (-40 to +140 °F)
Operating/Storage humidity	max. 95 % RH (non-condensing)
Protection type	IP20

[1] at 50 % RH
[2] When connecting with stranded wires, wire end ferrules must be used.

Dimensions

Sample Connections

Heater   Hygrostat CHY 011

Hygrostat CHY 011   e.g. Filter fan

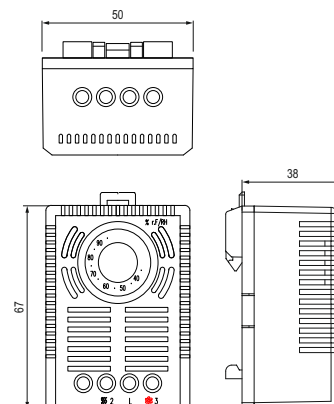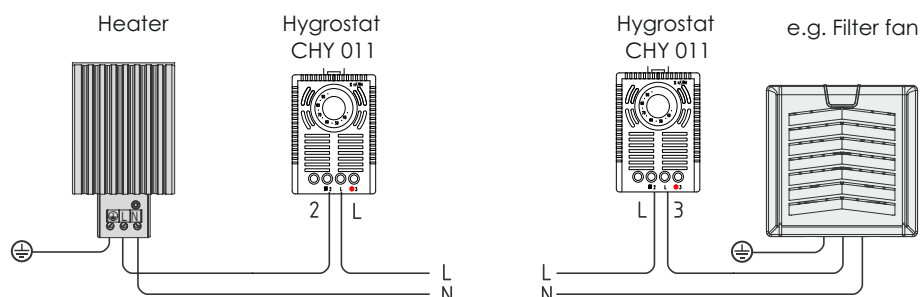# Electronic Hygrotherm
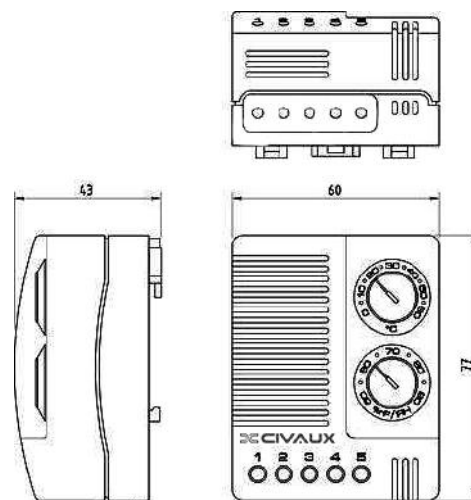
CHG011

Features

> **Temperature and humidity adjustable**
> **Wide voltage range**
> **Operating temperature down to -40 °C**
> **Status indicator (LED)**
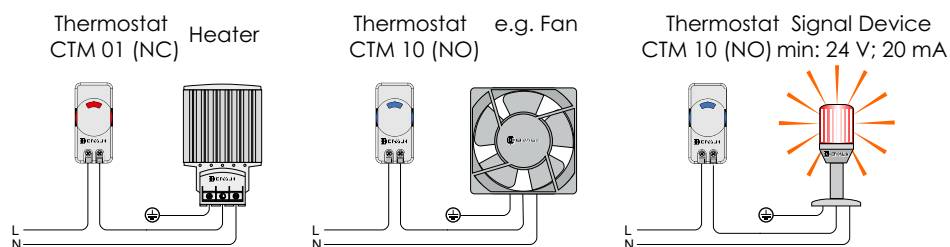> **High switching capacity**

Technical Data

Switch difference (temperature)	2 K (±1 K tolerance) at +25 °C (+77 °F), 50 % RH
Switch difference (humidity)	4 % RH (±1 % tolerance) at +25 °C (+77 °F), 50 % RH
Reaction time (humidity)	approx. 5 sec.
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Max. switching capacity (relay output)	AC 240 V, 10 (1.6) A DC 60 V, 0.6 A[1]
Max. inrush current	AC 30 A for 10 sec.
Optical indicator	LED
Connection	5-pole terminal, clamping torque 0.5 Nm max.: rigid/stranded² wire 2.5 mm² (AWG 14)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	77 x 60 x 43 mm
Weight	approx. 0.2 kg
Fitting position	vertical
Operating/Storage temperature	-40 to +60 °C (-40 to +140 °F)
Operating/Storage humidity	max. 90 % RH (non-condensing)
Protection type	IP20
Approvals	VDE, UL File No. E164102, EAC

Dimensions

Sample Connections

Thermostat CTM 01 (NC) Heater

Thermostat CTM 10 (NO) e.g. Fan

Thermostat CTM 10 (NO) Signal Device min: 24 V; 20 mA

Panel Heaters

CHR15 - 15W Heater

Features

> **Pressure clamp connectors**
> **Dynamic heating up**
> **Wide voltage range**
> **Energy saving**
> **Clip fixing**
> **Quick installation**

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.

Technical Data

Operating voltage	AC/DC 120 – 240 V[1] (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Connection	3 pressure clamps for stranded wire 0.5 – 1.5 mm² (with wire end ferrule) and rigid wire 0.5 – 2.5 mm²
Connection casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35 mm DIN rail, EN 60715
Fitting position	Vertical airflow (air outlet up, connection on bottom)
Operating / Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type / Protection class	IP20 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)

Power (W)

Ambient Temperature
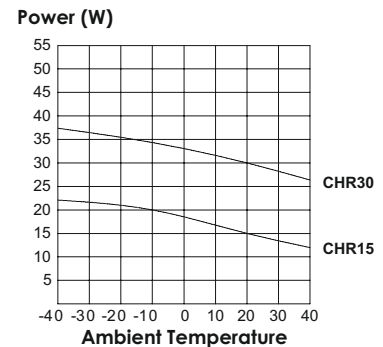
CHR30

CHR15

Dimensions

Panel Heaters

CHR30 - 30W Heater

Features

Pressure clamp connectors

Dynamic heating up

Wide voltage range

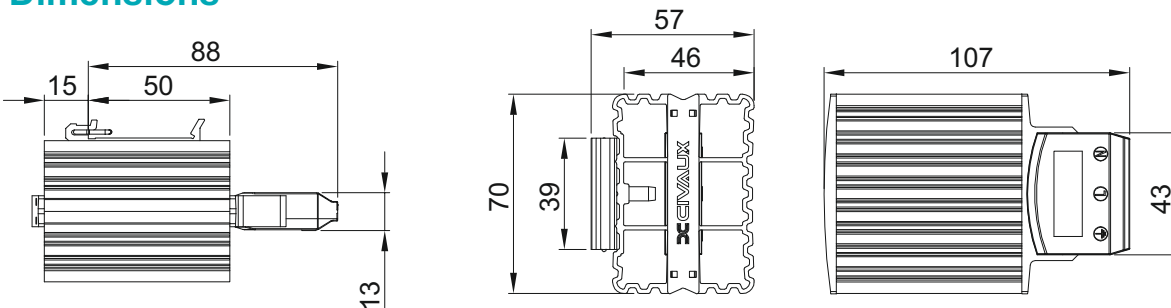Energy saving

Clip fixing

Quick installation

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.

Technical Data

Operating voltage	AC/DC 120 – 240 V¹ (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Connection	3 pressure clamps for stranded wire 0.5 – 1.5 mm² (with wire end ferrule) and rigid wire 0.5 – 2.5 mm²
Connection casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35 mm DIN rail, EN 60715
Fitting position	Vertical airflow (air outlet up, connection on bottom)
Operating / Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type / Protection class	IP20 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)

Power (W)

CHR30

CHR15

Ambient Temperature

Dimensions

www.civauxelectric.com

Panel Heaters

CHR75 - 75W Heater

Features

> **Pressure clamp connectors**

> **Dynamic heating up**

> **Wide voltage range**

> **Energy saving**

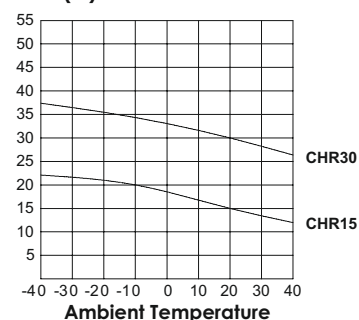> **Clip fixing**

> **Quick installation**

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.
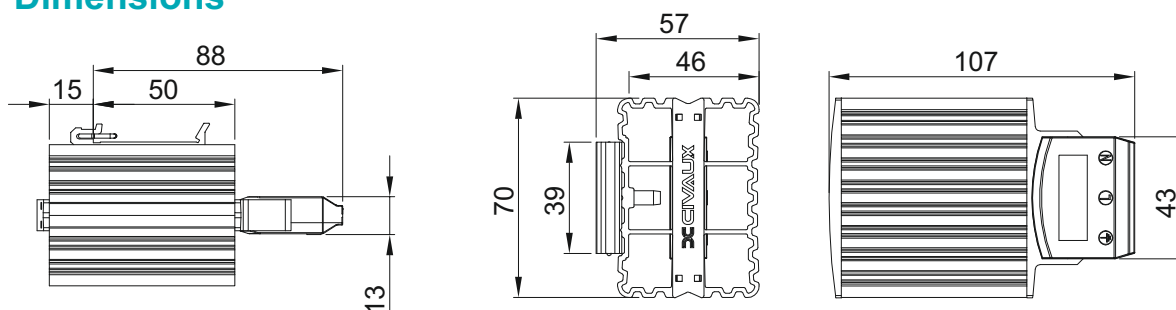
Technical Data

Operating voltage	AC/DC 120 – 240 V¹ (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Connection	3 pressure clamps for stranded wire 0.5 – 1.5 mm² (with wire end ferrule) and rigid wire 0.5 – 2.5 mm²
Connection casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35 mm DIN rail, EN 60715
Fitting position	Vertical airflow (air outlet up, connection on bottom)
Operating / Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type / Protection class	IP20 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)

Power (W)

CHR75

Ambient Temperature

Dimensions

125
57
87
13

182
43

CHR100 - 100W Heater
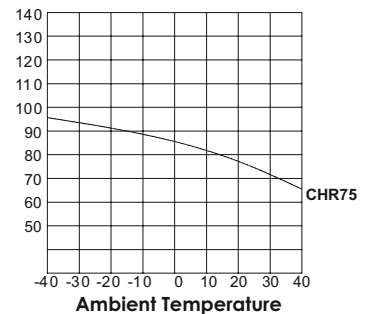
Features

> **Pressure clamp connectors**

> **Dynamic heating up**

> **Wide voltage range**

> **Energy saving**

> **Clip fixing**

> **Quick installation**

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.
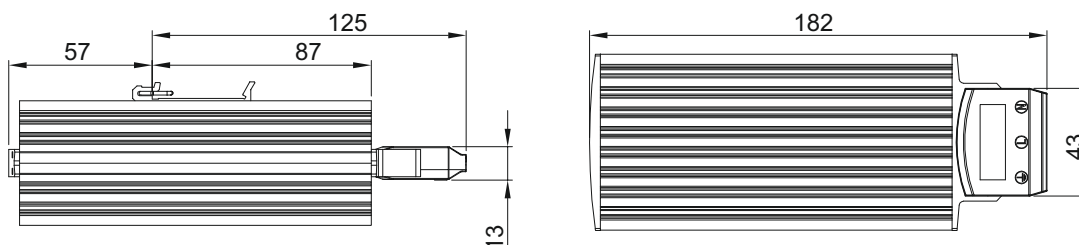
Technical Data

Operating voltage	AC/DC 120 – 240 V¹ (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Connection	3 pressure clamps for stranded wire 0.5 – 1.5 mm² (with wire end ferrule) and rigid wire 0.5 – 2.5 mm²
Connection casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35 mm DIN rail, EN 60715
Fitting position	Vertical airflow (air outlet up, connection on bottom)
Operating / Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type / Protection class	IP20 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)

Power (W)

Ambient Temperature

CHR100

Dimensions

125
57
87
13

182
43

CHR150 - 150W Heater

Features

> **Pressure clamp connectors**

> **Dynamic heating up**

> **Wide voltage range**

> **Energy saving**
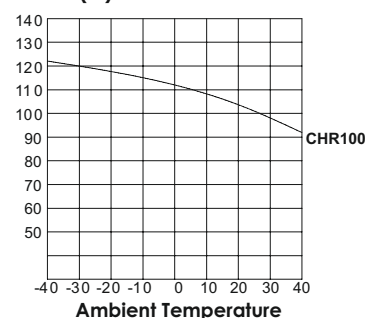
> **Clip fixing**

> **Quick installation**

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.
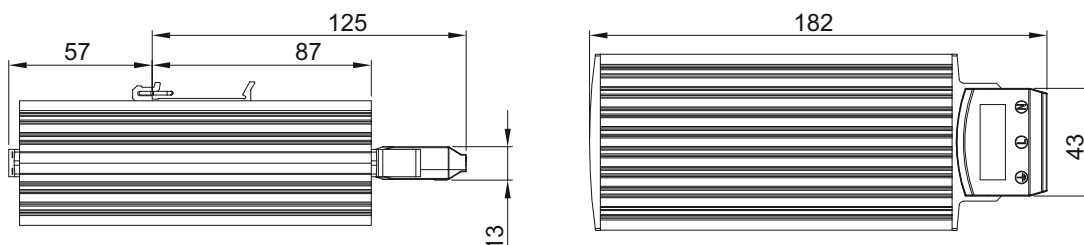
Technical Data

Operating voltage	AC/DC 120 – 240 V[1] (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Connection	3 pressure clamps for stranded wire 0.5 – 1.5 mm² (with wire end ferrule) and rigid wire 0.5 – 2.5 mm²
Connection casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35 mm DIN rail, EN 60715
Fitting position	Vertical airflow (air outlet up, connection on bottom)
Operating / Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type / Protection class	IP20 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)

Power (W)

CHR150

Ambient Temperature

Dimensions

Panel Heater with Fan
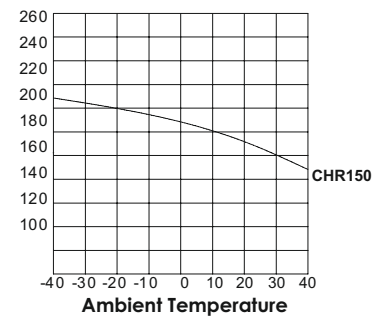
CHR250 - 250W Heater

Features

> **Pressure clamp connectors**
> **Dynamic heating up**
> **Wide voltage range**
> **Energy saving**
> **Clip fixing**
> **Quick installation**

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.
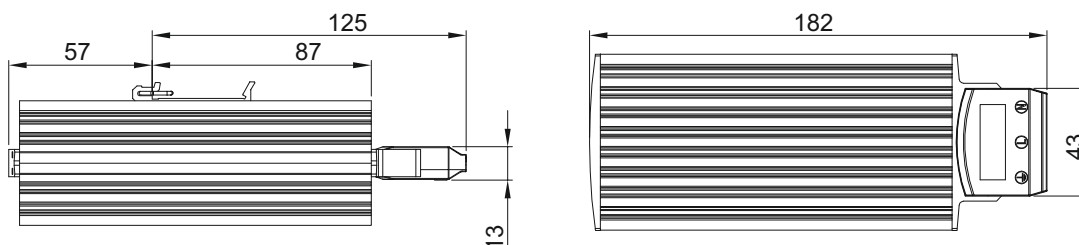
Technical Data

Operating voltage	AC/DC 120 – 240 V[1] (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Connection	3 pressure clamps for stranded wire 0.5 – 1.5 mm² (with wire end ferrule) and rigid wire 0.5 – 2.5 mm²
Connection casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35 mm DIN rail, EN 60715
Fitting position	Vertical airflow (air outlet up, connection on bottom)
Operating / Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type / Protection class	IP20 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)

Dimensions

85

100

85

Power (W)

Ambient Temperature

CHR250

Panel Heater with Fan

CHR350 - 350W Heater

Features

> **Pressure clamp connectors**
> **Dynamic heating up**
> **Wide voltage range**
> **Energy saving**
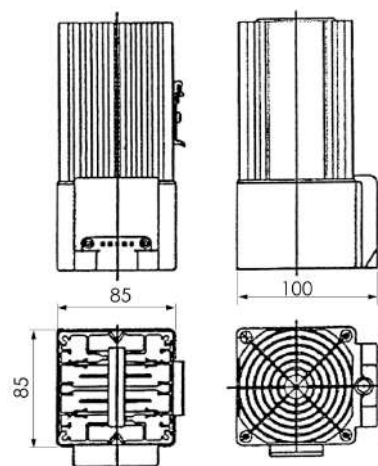> **Clip fixing**
> **Quick installation**

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamp connectors save time and simplify installation.
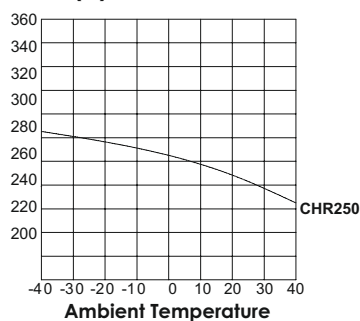
Technical Data

Operating voltage	AC/DC 120 – 240 V¹ (min. 110 V, max. 265 V)
Heating element	PTC resistor – temperature limiting
Heater body	extruded aluminium profile, anodised
Contact type	change-over contact (relay)
Service life	VDE: NO/NC > 15,000 cycles UL: NO/NC > 30,000 cycles
Connection	3 pressure clamps for stranded wire 0.5 – 1.5 mm² (with wire end ferrule) and rigid wire 0.5 – 2.5 mm²
Connection casing	Plastic according to UL94 V-0, black
Mounting	Clip for 35 mm DIN rail, EN 60715
Fitting position	Vertical airflow (air outlet up, connection on bottom)
Operating / Storage temperature	-45 to +70 °C (-49 to +158 °F)
Operating / Storage humidity	max. 90 % RH (non-condensing)
Protection type / Protection class	IP20 / I (earthed)
Accessoires	screw fixing, Art. No. 09024.0-00 (1 packing unit = 2 pieces)

Dimensions

Power (W)

CHR250

Ambient Temperature

LED Pilot Light - Cx9 Series
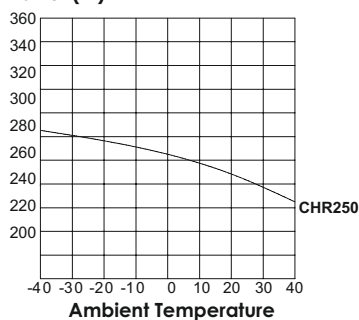
Cx9 Series

Ø22, Integral LED, 230…240 V AC
Red, Yellow, Blue, Green, Orange, White

Technical Data

Range of product	Cx9 Series
Product or component type	Pilot Light
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Cap/Operator or lens colour	Red, Yellow, Blue, Green, Orange, White
Light source	LED
Bulb base	Integral LED
Rated supply voltage	230...240 V AC 50/60 Hz

Dimensions

Height	29mm
Width	29mm
Depth	54mm
Terminals description	(X1-X2)
Net weight	0.02kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-5-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Signalling type	Steady
Supply voltage limits	195…264V AC
Current consumption	16...20 mA
Service life	70000h at rated voltage and 25 °C

Product Selection

Model No	Specifications
CX9LR240	LED Pilot Light Red 230~240V 50Hz
CX9LY240	LED Pilot Light Yellow 230~240V 50Hz
CX9LB240	LED Pilot Light Blue 230~240V 50Hz
CX9LW240	LED Pilot Light White 230~240V 50Hz
CX9LG240	LED Pilot Light Green 230~240V 50Hz
CX9LA240	LED Pilot Light Amber 230~240V 50Hz

LED Pilot Light - Cx9 Series

Cx9 Series
Ø22, Integral LED 24V AC / DC
Red, Yellow, Blue, Green, Orange, White

Technical Data

Range of product	Cx9 Series
Product or component type	Pilot Light
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Cap/Operator or lens colour	Red, Yellow, Blue, Green, Orange, White
Light source	LED
Bulb base	Integral LED
Rated supply voltage	24V AC/DC

Dimensions

Height	29mm
Width	29mm
Depth	54mm
Terminals description	(X1-X2)
Net weight	0.02kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-5-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Signalling type	Steady
Supply voltage limits	19.2…30V DC 21.6…26.4V AC
Current consumption	...27 mA
Service life	70000h at rated voltage and 25 °C

Product Selection

Model No	Specifications
CX9LR24	LED Pilot Light Red 24V 50Hz
CX9LY24	LED Pilot Light Yellow 24V AC/DC
CX9LB24	LED Pilot Light Blue 24V AC/DC
CX9LW24	LED Pilot Light White 24V AC/DC
CX9LG24	LED Pilot Light Green 24V AC/DC
CX9LA24	LED Pilot Light Amber 24V AC/DC

Push Button - Cx9 Series

CX9PW11

Plastic White, Ø22, Spring Return, Unmarked, 1 NO + 1 NC

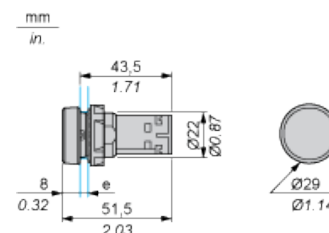## Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	White flush, unmarked
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
Fixing mode	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Support panel thickness:

1 to 6mm/0.4 to 0.24in. (metal),

2 to 6mm/0.8 to 0.24in. (plastic).

Push Button - Cx9 Series

CX9PG10

Plastic Black, Ø22, Spring Return, Unmarked, 1 NO

Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Green flush, unmarked
Contacts type and composition	1 NO
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
Fixing mode	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Support panel thickness:

1 to 6mm/0.4 to 0.24in. (metal),

2 to 6mm/0.8 to 0.24in. (plastic).

Push Button - Cx9 Series

CX9PG11

Plastic White, Ø22, Spring Return, Unmarked, 1 NO + 1 NC

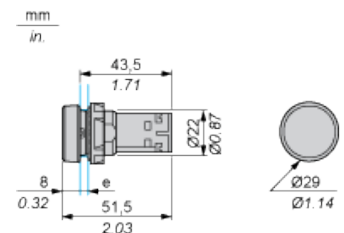## Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Green flush, unmarked
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
Fixing mode	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Support panel thickness:

1 to 6mm/0.4 to 0.24in. (metal),

2 to 6mm/0.8 to 0.24in. (plastic).

CX9PR01

Plastic Black, Ø22, Spring Return,

Unmarked, 1 NC

Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Red flush, unmarked
Contacts type and composition	1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(11-12)NC
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
Fixing mode	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
	Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Support panel thickness:

1 to 6mm/0.4 to 0.24in. (metal),

2 to 6mm/0.8 to 0.24in. (plastic).

Push Button - Cx9 Series

CX9PG11

Plastic Red, Ø22, Spring Return, Unmarked, 1 NO + 1 NC

Technical Data
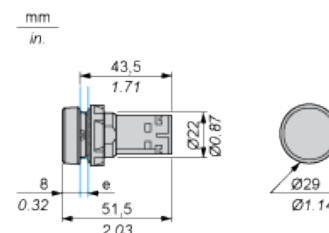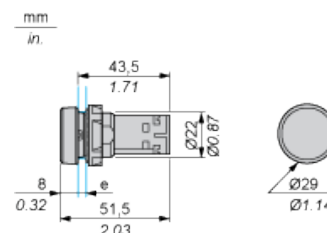
Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Red flush, unmarked
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
Fixing mode	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Support panel thickness:

1 to 6mm/0.4 to 0.24in. (metal),

2 to 6mm/0.8 to 0.24in. (plastic).

CX9PB11

Plastic Blue, Ø22, Spring Return, Unmarked, 1 NC

Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Blue flush, unmarked
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
Fixing mode	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Support panel thickness:

1 to 6mm/0.4 to 0.24in. (metal),

2 to 6mm/0.8 to 0.24in. (plastic).

Push Button - Cx9 Series

CX9PY11

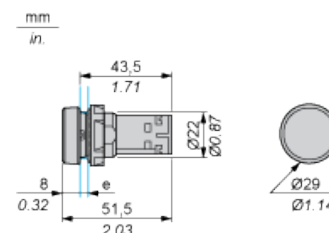## Plastic Yellow, Ø22, Spring Return, Unmarked, 1 NO + 1 NC

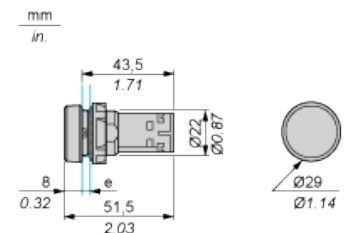## Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Yellow flush, unmarked
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
Fixing mode	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Support panel thickness:

1 to 6mm/0.4 to 0.24in. (metal),

2 to 6mm/0.8 to 0.24in. (plastic).

Cx9 Series

Ø22, Latch - 1NO, 230V
Red, Yellow, Blue, Green, Orange, White

Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10

Dimensions

Height	29mm
Width	29mm
Depth	51.5mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Shape of signaling unit head	Round
Type of operator	push and push-to-release
Operator profile	Red, Yellow, Blue, Green, Orange, White projecting, unmarked
Contacts type and composition	1 NO
Contact operation	Slow-break

Product Selection

Model No	Specifications
CX9IPW10230	Illum. Pushbutton White LED 230V 50Hz Spring Return 1 NO
CX9IPG10230	Illum. Pushbutton Green LED 230V 50Hz Spring Return 1 NO
CX9IPR10230	Illum. Pushbutton Red LED 230V 50Hz Spring Return 1 NO
CX9IPR01230	Illum. Pushbutton Red LED 230V 50Hz Spring Return 1 NC
CX9IPY10230	Illum. Pushbutton Yellow LED 230V 50Hz Spring Return 1 NO
CX9IPB10230	Illum. Pushbutton Blue LED 230V 50Hz Spring Return 1 NO
CX9IPA10230	Illum. Pushbutton Amber LED 230V 50Hz Spring Return 1 NO

ILLUMINATED Push Button

CX 9 Series

Ø22, Latch - 1NO, 230V

Red, Yellow, Blue, Green, Orange, White

Technical Data

Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10

Dimensions

Height	29mm
Width	29mm
Depth	51.5mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Shape of signaling unit head	Round
Type of operator	push and push-to-release
Operator profile	Red, Yellow, Blue, Green, Orange, White projecting, unmarked
Contacts type and composition	1 NO
Contact operation	Slow-break

Product Selection

Model No	Specifications
CX9IPW1024	Illum. Pushbutton White LED 24V AC/DC Spring Return 1 NO
CX9IPG1024	Illum. Pushbutton Green LED 24V AC/DC Spring Return 1 NO
CX9IPR1024	Illum. Pushbutton Red LED 24V AC/DC Spring Return 1 NO
CX9IPR0124	Illum. Pushbutton Red LED 24V AC/DC Spring Return 1 NC
CX9IPY1024	Illum. Pushbutton Yellow LED 24V AC/DC Spring Return 1 NO
CX9IPB1024	Illum. Pushbutton Blue LED 24V AC/DC Spring Return 1 NO
CX9IPA1024	Illum. Pushbutton Amber LED 24V AC/DC Spring Return 1 NO

Mushroom Head Push Button

CX9EPT10

Emergency Stop Ø22, Plastic, RED
Mushroom Head Ø40, turn to release,1NC

Technical Data

Range of product	Cx9 Series
Product or component type	Emergency stop push-button
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Type of operator	Latching
Reset	Turn to release
Operator profile	Red mushroom Ø 40 mm, unmarked
Contacts type and composition	1NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

Height	40mm
Width	40mm
Depth	72mm
Terminals description ISO n°1	(11-12)NC
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Snap action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	100000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Mushroom Head Push Button

CX9EPLT11

Emergency Stop Ø22, Plastic, RED

Mushroom Head Ø40, turn to release, 1NO + 1NC

Technical Data

Range of product	Cx9 Series
Product or component type	Emergency stop push-button
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Type of operator	Mechanical Latching
Reset	Turn to release
Operator profile	Red mushroom Ø 40 mm, unmarked
Contacts type and composition	1NO + 1NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

Height	40mm
Width	40mm
Depth	72mm
Terminals description ISO n°1	(13-14)NO (21-22)NC
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Snap action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	100000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Mushroom Head Push Button

CX9EPT10

Emergency Stop Ø22, Plastic, RED
Mushroom Head Ø40, turn to release,1NC

Technical Data

Range of product	Cx9 Series
Product or component type	Emergency stop push-button
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Type of operator	Latching
Reset	Turn to release
Operator profile	Red mushroom Ø 40 mm, unmarked
Contacts type and composition	2 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

Height	40mm
Width	40mm
Depth	72mm
Terminals description ISO n°1	(11-12)NC (21-22)NC
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Snap action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	100000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Mushroom Head Push Button

CX9EPLK02

Emergency Stop Ø22, Plastic, RED

Mushroom Head Ø40, Latching key release, 2NC

Technical Data

Range of product	Cx9 Series
Product or component type	Emergency stop push-button
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Type of operator	Mechanical latching
Reset	Key release
Operator profile	Red mushroom Ø 40 mm, unmarked
Type of keylock	Ronis 455
Contacts type and composition	2 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1

Dimensions

Height	40mm
Width	40mm
Depth	72mm
Terminals description ISO n°1	(13-14)NO (21-22)NC
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow-break
Contacts usage	Standard
Positive opening	Without
Mechanical durability	300000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

CX9S2SP10
Ø22, Stay put, 2 position, 1 NO

Technical Data

Range of product	Cx9 Series
Product or component type	Selector switch
Mounting diameter	22mm
Sale per indivisible quantity	10
Net weight	0.026kg
Shape of signaling unit head	Round
Type of operator	Stay Put
Reset	Turn to release
Operator profile	Black standard handle
Contacts type and composition	1N0
Positive opening	Without

Dimensions

Height	29mm
Width	29mm
Depth	68.5mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow Action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	300000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Selector Switch

CX9S2SP11

**Ø22, Stay put, 2 position,
1 NO + 1 NC**

Technical Data

Range of product	Cx9 Series
Product or component type	Selector switch
Mounting diameter	22mm
Sale per indivisible quantity	10
Net weight	0.026kg
Shape of signaling unit head	Round
Type of operator	Stay Put
Operator position information	2 positions 90°
Operator profile	Black standard handle
Contacts type and composition	1NO + 1NC
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K

Dimensions

Height	29mm
Width	29mm
Depth	68.5mm
Terminals description ISO n°1	(13-14)NO, (21-22)NC
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow Action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	300000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

CX9S3SP20
Ø22, Stay put, 3 position, 2 NO

Technical Data

Range of product	Cx9 Series
Product or component type	Selector switch
Mounting diameter	22mm
Sale per indivisible quantity	10
Net weight	0.026kg
Shape of signaling unit head	Round
Type of operator	Stay Put
Operator position information	3 positions +/- 45°
Operator profile	Black standard handle
Contacts type and composition	2 NO
Positive opening	Without

Dimensions

Height	29mm
Width	29mm
Depth	68.5mm
Terminals description ISO n°1	(23-24)NO, (13-14)NO
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow Action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	300000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Selector Switch (Key)

CX9S2KY10A
Ø22, key n°455, 2 positions, stay put, 1 NO

Technical Data

Range of product	Cx9 Series
Product or component type	Selector switch
Mounting diameter	22mm
Sale per indivisible quantity	10
Net weight	0.05kg
Shape of signaling unit head	Round
Type of operator	Stay Put
Operator position information	2 positions 90°
Type of keylock	Ronis 455
Contacts type and composition	1 NO
Positive opening	Without
Key withdrawal position	Left-hand

Dimensions

Height	29mm
Width	29mm
Depth	83 mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.05kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow Action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	300000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

CX9S3KY20B

Ø22, key n°455, 3 positions, stay put, 2 NO

Technical Data

Range of product	Cx9 Series
Product or component type	Selector switch
Mounting diameter	22mm
Sale per indivisible quantity	10
Net weight	0.05kg
Shape of signaling unit head	Round
Type of operator	Stay Put
Operator position information	3 positions +/- 45°
Type of keylock	Ronis 455
Contacts type and composition	2 NO
Positive opening	Without
Key withdrawal position	Center

Dimensions

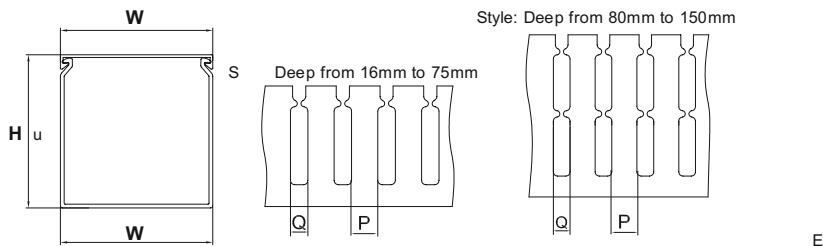|	
Height	29mm
Width	29mm
Depth	83 mm
Terminals description ISO n°1	(23-24)NO, (13-14)NO
Net weight	0.05kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1…6mm
	>= 30 x 40 mm (support panel) plastic - thickness: 2…6mm
Fixing mode	Fixing nut beneath head: 2…2.4N.m
Contact operation	Slow Action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	300000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
	Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8…1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Wiring Duct

CTRWS Series
Wide Slot Wiring Duct

Features

> **Wide slot / finger design provides greater sidewall rigidity and can be use wide range of wire bundle sizes.**

> **Made of Lead-free rigid PVC**

> **UL Recognized continuous use temperature 50° C (122° F)**

> **UL94 Flammability Rating of V-0**

> **Duct and cover packaged together in 2 meter or 6 inch lengths**

> **Provided with DIN 43659 mounting holes**

> **Color: Gray RAL7030, Blue RAL5015, White RAL 9016, Black RAL9005**

Dimensions

Style: Deep from 80mm to 150mm

Deep from 16mm to 75mm

Style: Width from 16mm to 72mm

15

5   50

Common Hole

6.5   14   8   4.5

25

50

hole size 8R 4060F/614 style

Style: Width from 75mm to 140mm

6.5

25

50

14

4.5   8

25   50

150 width with 5 lines holes
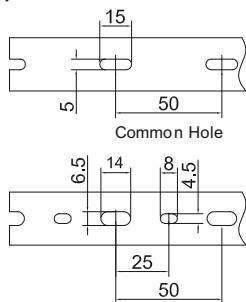
CTRNS Series
Narrow Slot Wiring Duct
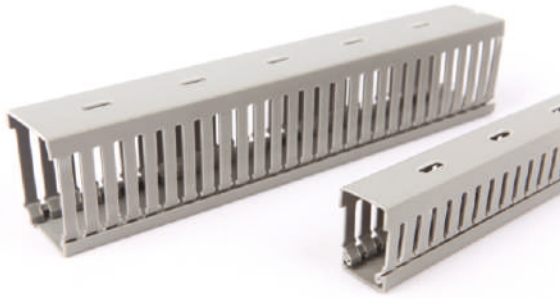
Features

> **Wide slot / finger design provides greater sidewall rigidity and can be use wide range of wire bundle sizes.**

> **Made of Lead-free rigid PVC**

> **UL Recognized continuous use temperature 50° C (122° F)**

> **UL94 Flammability Rating of V-0**

> **Duct and cover packaged together in 2 meter or 6 inch lengths**

> **Provided with DIN 43659 mounting holes**

> **Color: Gray RAL7030, Blue RAL5015, White RAL 9016, Black RAL9005**

Dimensions

Style: Deep from 80mm to 150mm

Deep from 16mm to 75mm

Style: Width from 16mm to 72mm

15

5

50

Common Hole

6.5

14

8

4.5

25

50
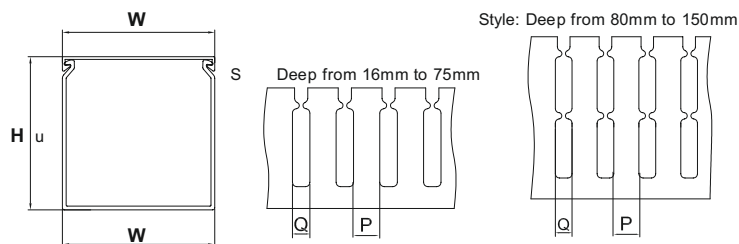
hole size 4R 4060F/614 style

Style: Width from 75mm to 140mm

50

25

6.5

14

25

50

4.5

8

150 width with 5 lines holes
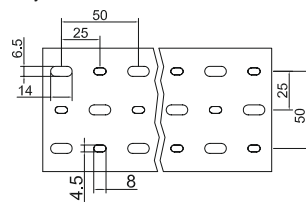
Wide Wiring Duct

CTRHF Series
Halogen Free Metric
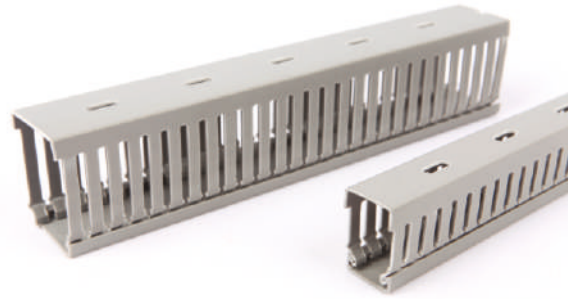
Features

> Made of Halogen free material and verified with En14582 test method

> Made of ROHS Halogen free PC/ABS material

> UL Recognized continuous use temperature 100° C (212° F)

> UL94 Flammability Rating of V-0

> Duct and cover packaged together in 2 meter or 6 inch lengths

> Provided with DIN 43659 mounting holes
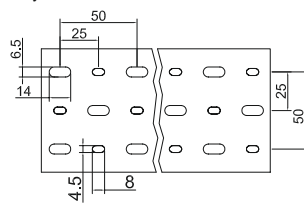
> Color: Gray RAL7030, Blue RAL5015

Dimensions

Style: Width from 16mm to 72mm

15
5
50
Common Hole
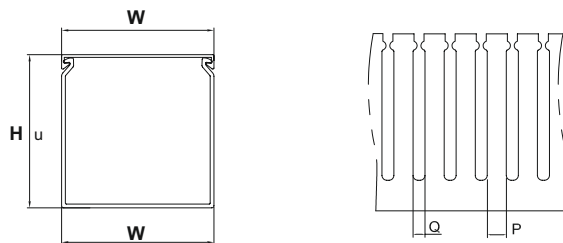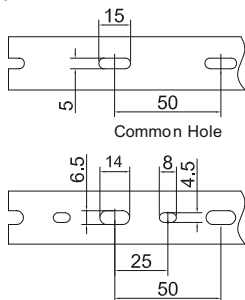
6.5   14   8   4.5
25
50
hole size5R 4060F/614

Style: Width from 75mm to 140mm

6.5
50
25
14
25
50
4.5   8
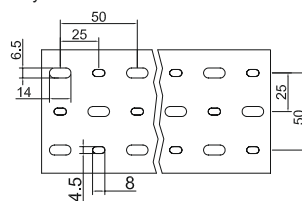
150 width with 5 lines holes

CPE.G Series

Plastic Enclosure with MPL + Grey Doors

Features

> **Resistance: Chemical agents, alkali, oil, salts, etc.**

> **Rate Voltage: Upto 690V**

> **Maximum Current: Up to 800A**

> **Operating temperature -35° C + 65° C**

> **Material: HB ABS**

> **Mounting Plate: Galvanized steel 1mm**

> **IP Degree: IP 65**

> **IK Degree: IK 08**
> **Color: Grey RAL 7035**

Product Selection

Part Number	Size WxHxL (in mm)	Weight with MPL (Kg)
CPE.G3020	300 x 200 x 130	1.70
CPE.G3525	350 x 250 x 150	2.20
CPE.G4030	400 x 300 x 170	3.00
CPE.G4031	400 x 300 x 220	3.40
CPE.G5035	500 x 350 x 190	4.30
CPE.G5040	500 x 400 x 175	4.30
CPE.G5041	500 x 400 x 240	5.60
CPE.G6040	600 x 400 x 200	6.00
CPE.G7050	700 x 500 x 250	10.10
CPE.G8060	800 x 600 x 260	13.50

Plastic Enclosure

CPE.T Series

Plastic Enclosure with MPL + Transparent Doors

Features

> **Resistance: Chemical agents, alkali, oil, salts, etc.**

> **Rate Voltage: Upto 690V**

> **Maximum Current: Up to 800A**

> **Operating temperature -35° C + 65° C**

> **Material: HB ABS + Polycarbonate (Doors)**

> **Mounting Plate: Galvanized steel 1mm**

> **IP Degree: IP 65**

> **IK Degree: IK 08**

> **Color: Body - Grey RAL 7035, Transparent Door**

Product Selection

Part Number	Size WxHxL (in mm)	Weight with MPL (Kg)
CPE.T3020	300 x 200 x 130	1.70
CPE.T3525	350 x 250 x 150	2.20
CPE.T4030	400 x 300 x 170	3.00
CPE.T4031	400 x 300 x 220	3.40
CPE.T5035	500 x 350 x 190	4.30
CPE.T5040	500 x 400 x 175	4.30
CPE.T5041	500 x 400 x 240	5.60
CPE.T6040	600 x 400 x 200	6.00
CPE.T7050	700 x 500 x 250	10.10
CPE.T8060	800 x 600 x 260	13.50

CPM.G Series

Plastic Modular Enclosure with MPL + Grey Doors

Features

> **Resistance: Chemical agents, alkali, oil, salts, etc.**

> **Rate Voltage: Upto 690V**

> **Maximum Current: Up to 800A**

> **Operating temperature -35° C + 65° C**

> **Material: HB ABS**

> **IP Degree: IP 65**

> **IK Degree: IK 08**

> **Color: Grey RAL 7035**

Product Selection

Part Number	Size WxHxL (in mm)	Number of Modules (18mm per module)
CPM.G218	350 x 250 x 150	18 (2 Row x 9 Module)
CPM.G224	400 x 300 x 170	24 (2 Row x 12 Module)
CPM.G345	500 x 350 x 190	45 (3 Row x 15 Module)
CPM.G460	600 x 400 x 200	60 (4 Row x 15 Module)

CPE.M Series

Plastic DB Enclosure with MPL + Transparent Doors

Features

> **Resistance: Chemical agents, alkali, oil, salts, etc.**

> **Rate Voltage: Upto 690V**

> **Maximum Current: Up to 800A**

> **Operating temperature -35° C + 65° C**

> **Material: HB ABS + Polycarbonate (Door)**

> **IP Degree: IP 65**

> **IK Degree: IK 08**

> **Color: Body - Grey RAL 7035, Transparent Door**

Product Selection

Part Number	Size WxHxL (in mm)	Number of Modules (18mm per module)
CPM.T218	350 x 250 x 150	18 (2 Row x 9 Module)
CPM.T224	400 x 300 x 170	24 (2 Row x 12 Module)
CPM.T345	500 x 350 x 190	45 (3 Row x 15 Module)
CPM.T460	600 x 400 x 200	60 (4 Row x 15 Module)

CXPB221Y

Grey Plastic, for Push Button Ø22, 1 cut-out

Technical Data

Range of product	CXPB Series
Product or component type	Empty control station
Product Destination	Ø 22 mm control and signalling units
Control station application	Emergency switching off function
	Emergency stop function
Number of cut-out	1 Cut Outs
Colour of base of enclosure	Light Grey (RAL 7035)
Colour of cover	Yellow (RAL 1021)
Material	Polycarbonate
Cable entry	1 knock-outs for cable entry, Ø23, both side entries
	2 knock-outs each for cable entry, Ø23, top and bottom entries
IP degree of protection	IP 66 conforming to IEC 60529, IP 67, IP 69, IP 69K

Physical Characteristics

Assembly style	For customer assembly
Number of horizontal rows	1
Number of vertical rows	1
Net weight	0.193 kg
Resistance to high pressure washer	7000000Pa at 55°C, distance : 0.1 m
Number of Cut Outs	2 cut - outs
Ambient air temperature for storage	-40…70°C
Ambient air temperature for operation	-40…70°C
NEMA degree of protection	NEMA 13
	NEMA 4X
IK degree of protection	IK03 conforming to EN 50102

Dimensions

(1)　　　2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.
(2)　　　Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

Push Button Enclosure

CXPB222Y
Grey Plastic, for Push Button Ø22, 2 cut-out
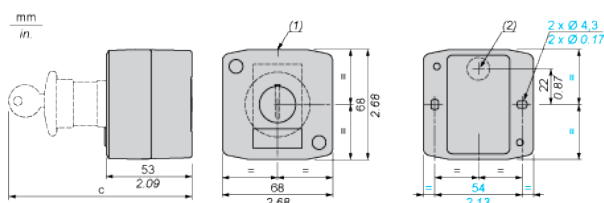
Technical Data

Range of product	CXPB Series
Product or component type	Empty control station
Product Destination	Ø 22 mm control and signalling units
Control station application	Emergency switching off function
	Emergency stop function
Number of cut-out	2 Cut Outs
Colour of base of enclosure	Light Grey (RAL 7035)
Colour of cover	Yellow (RAL 1021)
Material	Polycarbonate
Cable entry	2 knock-outs for cable entry, Ø23, both side entries
	1 knock-outs each for cable entry, Ø23, top and bottom entries
IP degree of protection	IP 66 conforming to IEC 60529, IP 67, IP 69, IP 69K

Physical Characteristics

Assembly style	For customer assembly
Number of horizontal rows	1
Number of vertical rows	2
Net weight	0.193 kg
Resistance to high pressure washer	7000000Pa at 55°C, distance : 0.1 m
Number of Cut Outs	2 cut - outs
Ambient air temperature for storage	-40…70°C
Ambient air temperature for operation	-40…70°C
NEMA degree of protection	NEMA 13
	NEMA 4X
IK degree of protection	IK03 conforming to EN 50102

Dimensions

(1)   2 knock-outs for cable entry, Ø23, both side entries
(2)   Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

CXPB221G
Dark Grey Plastic, for Push Button Ø22, 1 cut-out

Technical Data

Range of product	CXPB Series
Product or component type	Empty control station
Product Destination	Ø 22 mm control and signalling units
Control station application	Emergency switching off function
	Emergency stop function
Number of cut-out	1 Cut Outs
Colour of base of enclosure	Light Grey (RAL 7035)
Colour of cover	Dark Grey (RAL 7016)
Material	Polycarbonate
Cable entry	1 knock-outs for cable entry, Ø23, both side entries
	2 knock-outs each for cable entry, Ø23, top and bottom entries
IP degree of protection	IP 66 conforming to IEC 60529, IP 67, IP 69, IP 69K

Physical Characteristics

Assembly style	For customer assembly
Number of horizontal rows	1
Number of vertical rows	1
Net weight	0.136 kg
Resistance to high pressure washer	7000000Pa at 55°C, distance : 0.1 m
Number of Cut Outs	1 cut - outs
Ambient air temperature for storage	-40…70°C
Ambient air temperature for operation	-40…70°C
NEMA degree of protection	NEMA 13
	NEMA 4X
IK degree of protection	IK03 conforming to EN 50102

Dimensions

(1) 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.
(2) Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

Push Button Enclosure

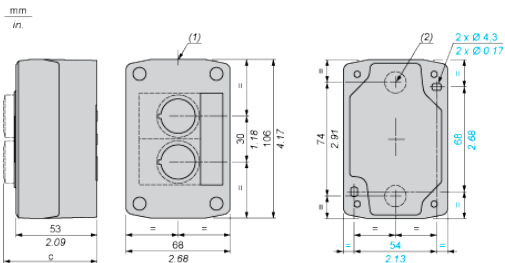# CXPB222G

Dark Grey Plastic, for Push Button Ø22, 2 cut-out

Technical Data

Range of product	CXPB Series
Product or component type	Empty control station
Product Destination	Ø 22 mm control and signalling units
Control station application	Emergency switching off function
	Emergency stop function
Number of cut-out	2 Cut Outs
Colour of base of enclosure	Light Grey (RAL 7035)
Colour of cover	Dark Grey (RAL 7016)
Material	Polycarbonate
Cable entry	2 knock-outs for cable entry, Ø23, both side entries
	2 knock-outs each for cable entry, Ø23, top and bottom entries
IP degree of protection	IP 66 conforming to IEC 60529, IP 67, IP 69, IP 69K

Physical Characteristics

Assembly style	For customer assembly
Number of horizontal rows	1
Number of vertical rows	2
Net weight	0.193 kg
Resistance to high pressure washer	7000000Pa at 55°C, distance : 0.1 m
Number of Cut Outs	2 cut - outs
Ambient air temperature for storage	-40…70°C
Ambient air temperature for operation	-40…70°C
NEMA degree of protection	NEMA 13
	NEMA 4X
IK degree of protection	IK03 conforming to EN 50102

Dimensions

(1)   2 knock-outs for cable entry, Ø23, both side entries
(2)   Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

CXPB223G
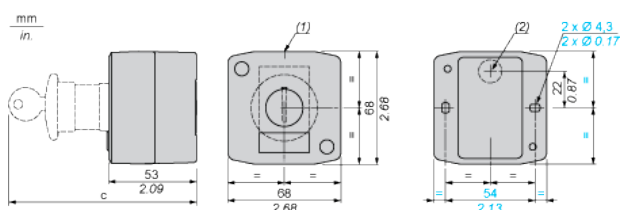### Dark Grey Plastic, for Push Button Ø22, 3 cut-out

Technical Data

Range of product	CXPB Series
Product or component type	Empty control station
Product Destination	Ø 22 mm control and signalling units
Control station application	Emergency switching off function Emergency stop function
Number of cut-out	3 Cut Outs
Colour of base of enclosure	Light Grey (RAL 7035)
Colour of cover	Dark Grey (RAL 7016)
Material	Polycarbonate
Cable entry	2 knock-outs for cable entry, Ø23, both side entries 2 knock-outs each for cable entry, Ø23, top and bottom entries
IP degree of protection	IP 66 conforming to IEC 60529, IP 67, IP 69, IP 69K

Physical Characteristics

Assembly style	For customer assembly
Number of horizontal rows	1
Number of vertical rows	3
Net weight	0.238 kg
Resistance to high pressure washer	7000000Pa at 55°C, distance : 0.1 m
Number of Cut Outs	3 cut - outs
Ambient air temperature for storage	-40…70°C
Ambient air temperature for operation	-40…70°C
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK03 conforming to EN 50102

Dimensions

(1)   2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.
(2)   Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

Push Button Enclosure

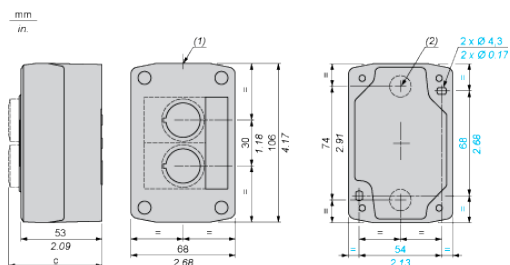# CXPB224G

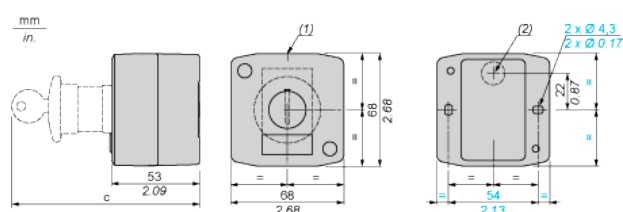## Dark Grey Plastic, for Push Button Ø22, 4 cut-out

Technical Data

Range of product	CXPB Series
Product or component type	Empty control station
Product Destination	Ø 22 mm control and signalling units
Control station application	Emergency switching off function
	Emergency stop function
Number of cut-out	4 Cut Outs
Colour of base of enclosure	Light Grey (RAL 7035)
Colour of cover	Dark Grey (RAL 7016)
Material	Polycarbonate
Cable entry	2 knock-outs for cable entry, Ø23, both side entries
	2 knock-outs each for cable entry, Ø23, top and bottom entries
IP degree of protection	IP 66 conforming to IEC 60529, IP 67, IP 69, IP 69K

Physical Characteristics

Assembly style	For customer assembly
Number of horizontal rows	1
Number of vertical rows	4
Net weight	0.278 kg
Resistance to high pressure washer	7000000Pa at 55°C, distance : 0.1 m
Number of Cut Outs	4 cut - outs
Ambient air temperature for storage	-40…70°C
Ambient air temperature for operation	-40…70°C
NEMA degree of protection	NEMA 13
	NEMA 4X
IK degree of protection	IK03 conforming to EN 50102

Dimensions

Push Button Enclosure

CXPB225G
Dark Grey Plastic, for Push Button Ø22, 5 cut-out
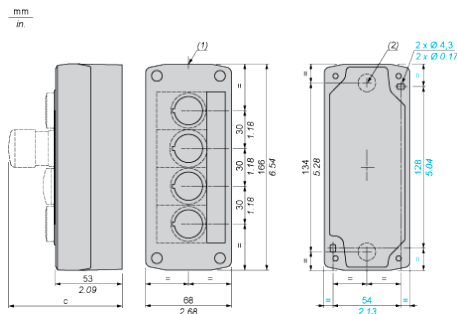
Technical Data

Range of product	CXPB Series
Product or component type	Empty control station
Product Destination	Ø 22 mm control and signalling units
Control station application	Emergency switching off function
	Emergency stop function
Number of cut-out	5 Cut Outs
Colour of base of enclosure	Light Grey (RAL 7035)
Colour of cover	Dark Grey (RAL 7016)
Material	Polycarbonate
Cable entry	2 knock-outs for cable entry, Ø23, both side entries
	2 knock-outs each for cable entry, Ø23, top and bottom entries
IP degree of protection	IP 66 conforming to IEC 60529, IP 67, IP 69, IP 69K

Physical Characteristics

Assembly style	For customer assembly
Number of horizontal rows	1
Number of vertical rows	5
Net weight	0.322 kg
Resistance to high pressure washer	7000000Pa at 55°C, distance : 0.1 m
Number of Cut Outs	5 cut - outs
Ambient air temperature for storage	-40…70°C
Ambient air temperature for operation	-40…70°C
NEMA degree of protection	NEMA 13
	NEMA 4X
IK degree of protection	IK03 conforming to EN 50102

Dimensions
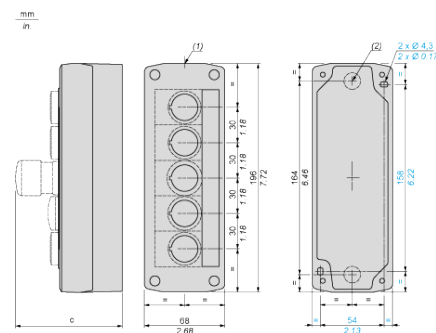
Cable Lugs

CLCT Series
Copper Tubular Cable Lugs

Civaux **Lugs** are made from **99.9%+ Cu** high conductivity **Annealed Copper** which gives the best electrical properties possible. They are capable of withstanding a continuous operating temperature of 110°C.

This are designed to obtain the highest electrical conductivity with maximum strength to resist vibration.

The lugs have an inspection hole to check conductor location. The presence of an inspection hole assists the full insertion of the cable into the barrel

Technical Data

Application : For wire bending and terminating applications in confined power distribution panels and other enclosures.

Material : 99.9% copper

Plating : Electro tin plated

Voltage : 600V to 1000 V

Dimensions

CLIB Series

Insulated Cord End Terminals

Civaux **Lugs** are made from the best quality raw materials which gives the best electrical properties possible.Designed with seamless barrel to contain loose wire strands for separator terminations which are easy to use by striping the wire and sliding on to the end wire and crimping suitable for limited space panel applications.
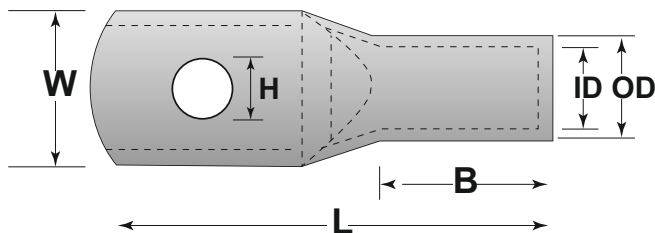
This are designed to obtain the highest electrical conductivity with maximum strength to resist vibration.

Technical Data

Material	:	Copper
Plating	:	Tin plated
Insulation	:	Polyamide
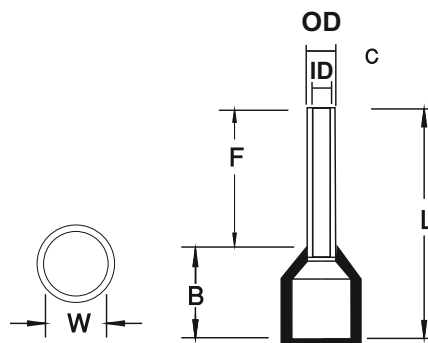
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions					
			F	L	W	B	OD	ID
	MM		MM	MM	MM	MM	MM	MM
CLIB 0508-R	0.5	Red	8	14	3.2	6.0	1.3	1.0
CLIB 0508-B		Blue						
CLIB 0508-OR		Orange						
CLIB 7508-R	0.75	Red	8	14	3.2	6.0	1.5	1.2
CLIB 7508-B		Blue						
CLIB 1008-R	1.0	Red	8	15	3.7	7.0	1.7	1.4
CLIB 1008-Y		Yellow						
CLIB 1008-B		Blue						
CLIB 1508-R	1.5	Red	8	15	4.0	7.0	2.0	1.7
CLIB 1508-BK		Black						
CLIB 1508-B		Blue						
CLIB 2508-R	2.5	Red	8	15	5.0	7.0	2.6	2.3
CLIB 2508-B		Blue						
CLIB 4009-R	4.0	Red	12	20	6.0	8.0	3.2	2.8
CLIB 4009-B		Blue						
CLIB 4009-GY		Grey						
CLIB 6012-R	6.0	Red	12	20	6.8	8.0	3.9	3.5
CLIB 6012-B		Blue						
CLIB 6012-BK		Black						
CLIB 6012-GR		Green						
CLIB 10-12-R	10.0	Red	12	21	8.5	9.0	4.9	4.5
CLIB 10-12-B		Blue						
CLIB 10-12-W		White						
CLIB 16-12-R	16.0	Red	12	22	8.7	10.0	6.2	5.8
CLIB 16-12-B		Blue						
CLIB 16-12-W		White						
CLIB 16-12-GR		Green						
CLIB 25-16-R	25.0	Red	16	27	11.0	12.0	7.9	7.5
CLIB 25-16-B		Blue						
CLIB 25-16-PR		Purple						
CLIB 35-16-B	35.0	Blue	16	34	13.2	14.0	8.7	8.3
CLIB 35-16-R		Red						
CLIB 35-16-GY		Grey						
CLIB 50-20-R	50.0	Red	20	36	15.0	16.0	10.9	10.3
CLIB 50-20-B		Blue						
CLIB 70-25-R	70.0	Red	25	42	17.0	16.5	14.3	13.5
CLIB 70-25-B		Blue						

CLBT Series
## Insulated Cord End Twin Terminals

Civaux Insulated Core End Twin terminals ensure reliable electrical connectors when terminating conductors in screw clamp terminal blocks and are used for twin wire containment. Color coding of the insulation is according to the wire size and the country standard Designed with seamless barrel to contain loose wire strands for separator terminations which are easy to use by striping the wire and sliding on to the end wire and crimping suitable for limited space panel

This are designed to obtain the highest electrical conductivity with maximum strength to resist vibration.

Technical Data

Material	:	Copper
Plating	:	Tin plated
Insulation	:	Polyamide
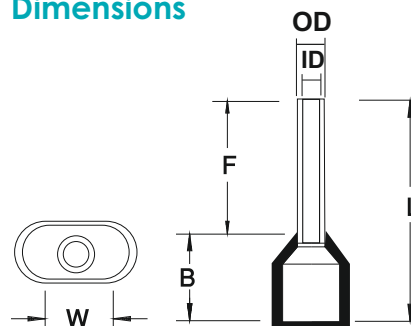
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions					
			F	L	W	B	OD	ID
	MM²		MM	MM	MM	MM	MM	MM
CLBT 0508 - O	2 x 0.5	Orange	8	15	5.5	7.0	1.5	1.0
CLBT 7508 - B	2 x 0.75	Blue	8	17	6.0	7.0	2.0	1.8
CLBT 1008 - Y	2 x 1.0	Yellow	8	18	6.0	8.0	2.0	1.8
CLBT 1508 - BK	2 x 1.5	Black	8	16	7.0	8.0	2.8	2.2
CLBT 2508 - W	2 x 2.5	White	8	19	9.0	9.0	4.2	3.9
CLBT 4012 - GY	2 x 4.0	Grey	12	23	10.0	11.0	4.0	3.9
CLBT 4012 - O		Orange						
CLBT 6014 - BK	2 x 6.0	Black	14	24.5	10.5	10.0	5.2	4.9
CLBT 1014 - W	2 x 10.0	White	14	26.2	13.2	12.2	7.0	6.5
CLBT 1614 - GR	2 x 16.0	Green	14	31	20	17.0	9.0	8.5

Cable Lugs

CLNB Series
Non Insulated Cord End Terminals

Civaux **Non insulated cord end** terminals ensure reliable electrical connectors when terminating conductors in screw clamp terminal blocks. Designed with seamless barrel to contain loose wire strands for separator terminations which are easy to use by striping the wire and sliding on to the end wire and crimping suitable for limited space panel applications.

This are designed to obtain the highest electrical conductivity with maximum strength to resist vibration.

Technical Data

Material	:	Copper
Plating	:	Tin plated

Dimensions
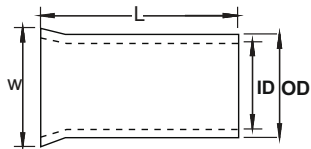
Product Selection

Part Number	Wire Range		Dimensions			
			L	W	OD	ID
	MM²	AWG	MM	MM	MM	MM
CLNB 1010	1.0	17	10	2.2	1.7	1.4
CLNB 1510	1.5	16	10	2.5	2	1.7
CLNB 2510	2.5	14	10	3.3	2.6	2.3
CLNB 4012	4.0	12	12	3.9	3.2	2.8
CLNB 6012	6.0	10	12	4.7	3.9	3.5
CLNB 1012	10.0	8	12	5.8	4.9	4.5
CLNB 1612	16.0	6	12	7.2	6.2	5.8
CLNB 2516	25.0	4	15	9.1	7.9	7.5
CLNB 3516	35.0	2	20	10.2	8.7	8.3

CLIR Series
Ring Type Insulated Cable Terminals

Civaux Ring type Insulated cable terminals are designed to offer maximum efficiency in heavy duty applications and to meet the increasing demands for improved safety and reliability of electrical connectors.

Technical Data

Material	:	Electrolytic Copper
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)

Dimensions
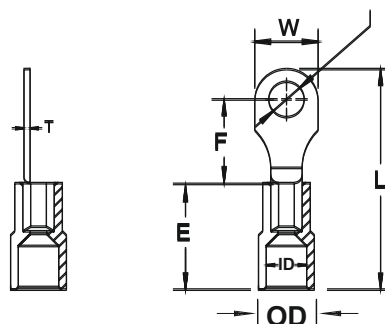

Product Selection

Part Number	Wire Range	Color	Stud Hole	Dimensions						
	MM²		MM	W MM	F MM	L MM	E MM	OD MM	ID MM	T MM
CLIR 1.5 - 3.2	0.5 - 1.5	RED	3.2	5.6	5.0	17.5	10.0	4.0	1.7	0.75
CLIR 1.5 - 3.7			3.7	5.6	5.0	17.5				
CLIR 1.5 - 4.3			4.3	6.6	6.3	19.4				
CLIR 1.5 - 5.3			5.3	8.0	7.0	20.8				
CLIR 1.5 - 6.5			6.5	11.6	11.6	26.8				
CLIR 2.5 - 3.2	1.5 - 2.5	BLUE	3.2	6.6	4.8	17.8	10.0	4.5	2.3	0.80
CLIR 2.5 - 3.7			3.7	6.6	4.8	17.8				
CLIR 2.5 - 4.3			4.3	6.6	6.3	19.4				
CLIR 2.5 - 5.3			5.3	8.5	7.8	21.8				
CLIR 2.5 - 6.5			6.5	12.0	11.0	26.8				
CLIR 6 - 4.3	4.0 - 6.0	YELLOW	4.3	7.2	6.1	22.7	13.0	6.3	3.4	1.0
CLIR 6 - 5.3			5.3	9.5	9.1	26.6				
CLIR 6 - 6.5			6.5	12.0	10.5	29.5				
CLIR 6 - 8.5			8.5	15.0	13.5	34.0				

Cable Lugs

## CLIF Series

Fork Type Insulated Cable Terminals

Civaux Fork type insulated terminals are designed to offer maximum efficiency in heavy duty applications and to meet the increasing demands for improved safety and reliability of electrical connectors.

Technical Data

Material	:	Electrolytic Copper
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)

Dimensions

Product Selection
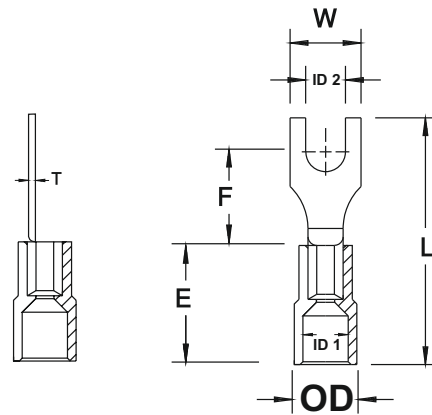
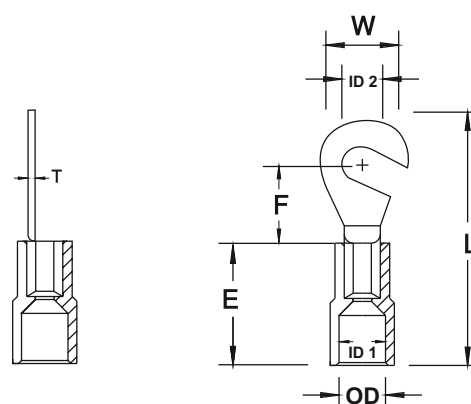| Part Number	Wire Range	Color	Stud Hole	Dimensions						
				W	F	L	E	OD	ID	T
	MM²		MM	MM	MM	MM	MM	MM	MM	MM
CLIF 1.5 - 3.2			3.2	5.6						
CLIF 1.5 - 3.7			3.7	5.6						
CLIF 1.5 - 4.3	0.5 - 1.5	RED	4.3	6.6	6.5	21.0	10.0	4.0	1.7	0.75
CLIF 1.5 - 5.3			5.3	8.0						
CLIF 1.5 - 6.5			6.5	11.6						
CLIF 2.5 - 3.2			3.2	6.6						
CLIF 2.5 - 3.7			3.7	6.6						
CLIF 2.5 - 4.3	1.5 - 2.5	BLUE	4.3	6.6	6.5	21.0	10.0	4.5	2.3	0.8
CLIF 2.5 - 5.3			5.3	8.5						
CLIF 2.5 - 6.5			6.5	12.0						
CLIF 6 - 4.3			4.3	7.2	7.0	25.5				
CLIF 6 - 5.3	4.0 - 6.0	YELLOW	5.3	9.5	7.0	25.5	13.0	6.3	3.4	1.0
CLIF 6 - 6.5			6.5	12.0	12.0	31.5				
CLIF 6 - 8.5			8.5	15.0	10.5	30.5				

CLIH Series
Hook Type Insulated Cable Terminals

Civaux **Hook type insulated cable terminals** are designed to offer maximum efficiency in heavy duty applications and to meet the increasing demands for improved safety and reliability of electrical connectors. Color coded insulation identifies the cable size. Hook terminal insulation support and helps to prevent wire damage in bending applications. Which also enables easy and fast installation as the mounting screw does not have to be removed completely and brazed seam protects terminals barrel from splitting during the crimping process.

Technical Data

Material	:	Electrolytic Copper
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)

Dimensions

Product Selection

Part Number	Wire Range	Color	Stud Hole	Dimensions						
				W	F	L	E	OD	ID	T
	MM²		MM	MM	MM	MM	MM	MM	MM	MM
CLIH 1.5 - 3.2	0.5 - 1.5	RED	3.2	8.0	7.0	20.8	10.0	4.0	1.7	0.75
CLIH 1.5 - 3.7			3.7	8.0	7.0	20.8				
CLIH 1.5 - 4.3			4.3	8.0	7.0	20.8				
CLIH 1.5 - 5.3			5.3	8.0	7.0	20.8				
CLIH 1.5 - 6.5			6.5	11.6	11.0	26.8				
CLIH 2.5 - 3.2	1.5 - 2.5	BLUE	3.2	8.5	7.8	21.8	10.0	4.5	2.3	0.8
CLIH 2.5 - 3.7			3.7	8.5	7.8	21.8				
CLIH 2.5 - 4.3			4.3	8.5	7.8	21.8				
CLIH 2.5 - 5.3			5.3	9.5	7.3	21.8				
CLIH 2.5 - 6.5			6.5	12.0	11.0	26.8				
CLIH 6 - 3.7	4.0 - 6.0	YELLOW	3.7	7.2	6.1	22.7	13.0	6.3	3.4	1.0
CLIH 6 - 4.3			4.3	9.5	9.5	26.8				
CLIH 6 - 5.3			5.3	9.5	9.5	26.8				
CLIH 6 - 6.5			6.5	12.0	10.3	29.5				
CLIH 6 - 8.5			8.5	15.0	13.5	34.0				

Cable Lugs

CLBL Series

Blade Type Insulated Cable Terminals

Civaux **Blade type insulated cable terminals** are designed to offer maximum efficiency in heavy duty applications and to meet the increasing demands for improved safety and reliability of electrical connectors.
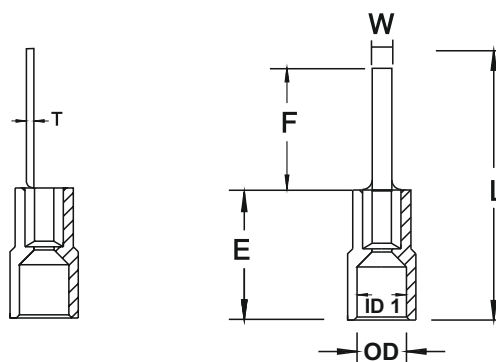
Color coded insulation identifies the cable size. Blade terminals are designed to prevent damage to the wire over crimping, which are reliable electrical connections mostly used for terminal blocks. Which also enables easy and fast installation and brazed seam protects terminals barrel from splitting during the crimping process.

Technical Data

Material	:	Electrolytic Copper
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)

Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions						
	MM²		W	F	L	E	OD	ID	T
			MM	MM	MM	MM	MM	MM	MM
CLBL 1.5 - 8			2.8	9.0	18.8				
CLBL 1.5 - 10			2.3	10.0	19.8				
CLBL 1.5 - 12	0.5 - 1.5	RED	3.0	12.0	20.8	10.0	4.0	1.7	0.75
CLBL 1.5 - 14			3.0	14.0	23.8				
CLBL 1.5 - 18			2.2	18.0	27.8				
CLBL 2.5 - 8			2.8	8.0	18.8				
CLBL 2.5 - 10			2.4	10.0	19.8				
CLBL 2.5 - 14	1.5 - 2.5	BLUE	3.0	14.0	23.8	10.0	4.5	2.3	0.8
CLBL 2.5 - 18			2.8	18.0	27.8				
CLBL 6 - 10			2.8	10.0	23.0				
CLBL 6 - 14	4.0 - 6.0	YELLOW	4.5	14.0	27.0	13.0	6.3	3.4	1.0
CLBL 6 - 18			4.5	18.0	31.0				

CLIP Series
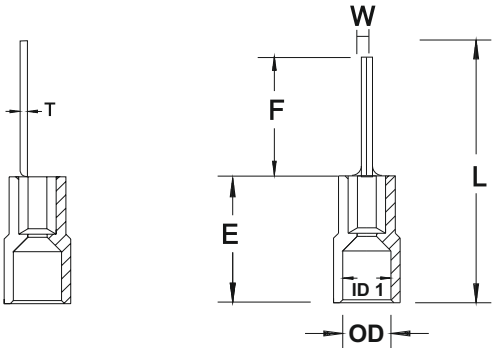## Pin Type Insulated Cable Terminals

Civaux **Pin type insulated cable terminals** are designed to offer maximum efficiency in heavy duty applications and to meet the increasing demands for improved safety and reliability of electrical connectors.

Color coded insulation identifies the cable size. Pin terminal are designed to prevent damage to the wire over crimping, which are reliable electrical connections mostly used for terminal blocks. Which also enables easy and fast installation and brazed seam protects terminals barrel from splitting during the crimping process.

Technical Data

Material	:	Electrolytic Copper
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)

Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions						
	MM²		W	F	L	E	OD	ID	T
			MM	MM	MM	MM	MM	MM	MM
CLIP 1.5 - 10	0.5 - 1.5	RED	1.9	10	19.8	10.0	4.0	1.7	0.75
CLIP 1.5 - 12				12	21.8				
CLIP 1.5 - 14				14	23.8				
CLIP 1.5 - 18				16	25.8				
CLIP 2.5 - 10	1.5 - 2.5	BLUE	1.9	10	19.8	10.0	4.5	2.3	0.80
CLIP 2.5 - 12				12	21.8				
CLIP 2.5 - 16				16	26.0				
CLIP 2.5 - 18				18	28.0				
CLIP 6 - 13	4.0 - 6.0	YELLOW	2.8	14	27.0	13.0	6.3	3.4	1.0

CLPM Series

## Push Ons Insulated Male Terminals

Civaux **Push on insulated female terminal**s connects with push on male terminals for disconnects which can be inserted and easily removed to install without the use of tools, Color coded insulation identifies the cable size. Brazed seam serrated barrel provides maximum tensile strength.

Technical Data

Material	:	70% Copper with brass
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)
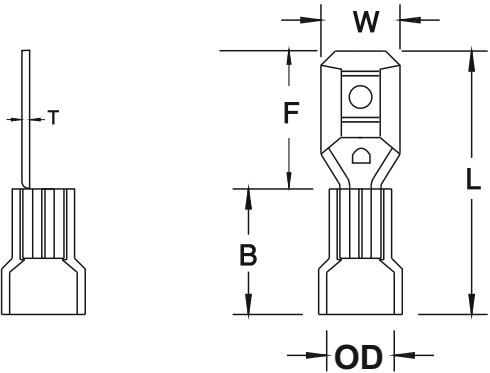
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions					
			W	F	L	E	OD	T
	MM²		MM	MM	MM	MM	MM	MM
CLPM 1.5 - 2.8	0.5 - 1.5	RED	2.8	6.5	19.2	10.5	3.8	0.50
CLPM 1.5 - 4.8			4.8	6.7	19.8			
CLPM 1.5 - 6.35			6.35	7.7	21.8			
CLPM 2.5 - 4.8	1.5 - 2.5	BLUE	4.8	6.7	19.8	10.5	4.7	0.50
CLPM 2.5 - 6.35			6.35	7.7	21.8			
CLPM 6 - 6.35	4.0 - 6.0	YELLOW	6.35	7.7	24.0	13.0	6.2	0.40

CLPF Series
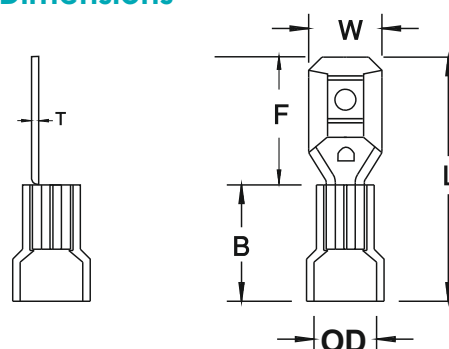## Push Ons Insulated Female Terminals

Civaux **Push on insulated female terminal**s connects with push on male terminals for disconnects which can be inserted and easily removed to install without the use of tools, Color coded insulation identifies the cable size. Brazed seam serrated barrel provides maximum tensile strength.

Technical Data

Material	:	70% Copper with brass
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)

Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions					
	MM²		W MM	F MM	L MM	E MM	OD MM	T MM
CLPF 1.5 - 2.8	0.5 - 1.5	RED	3.2	6.5	19.0	10.5	3.8	0.45
CLPF 1.5 - 4.8			5.0	6.4	19.4			
CLPF 1.5 - 6.3			6.6	7.3	20.8			
CLPF 2.5 - 2.8	1.5 - 2.5	BLUE	3.2	6.5	19.0	10.5	4.7	0.40
CLPF 2.5 - 4.8			5.0	6.4	19.4			
CLPF 2.5 - 6.3			6.6	7.3	20.8			
CLPF 2.5 - 8.0			8.2	10.0	24.5			
CLPF 6 - 4.8	4.0 - 6.0	YELLOW	5.0	6.5	22.0	13.0	6.2	0.50
CLPF 6 - 6.3			6.6	7.3	23.3			
CLPF 6 - 8.0			8.2	10.0	27.0			
CLPF 6 - 9.5			10.0	12.0	28.6			

Cable Lugs

CLBM Series
## Male Bullet Insulated Terminals

Civaux **Male bullet insulated terminals** connect with
female bullets terminals for disconnects which can
be inserted and easily removed to install without the
use of tools, Color coded insulation identifies the cable size.
Brazed seam serrated barrel provides maximum tensile strength.

Technical Data

Material	:	70% Copper with brass
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)
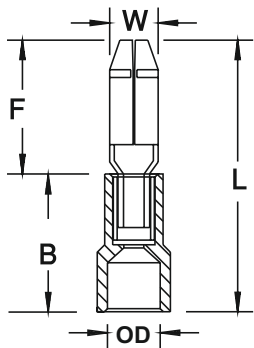
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions				
			W	F	L	E	OD
	MM²		MM	MM	MM	MM	MM
CLBM 1.5 - 4.0	0.5 - 1.5	RED	4.0	8.5	21.5	10.5	3.8
CLBM 2.5 - 4.0	1.5 - 2.5	BLUE	4.0	8.5	21.7	10.5	4.7
CLBM 2.5 - 5.0			5.0	8.5	21.7	10.5	4.7
CLBM 6 - 5.0	4.0 - 6.0	YELLOW	5.0	8.5	24.0	13.0	6.2

CLBF Series

Female Bullet Insulated Terminals

Civaux **Female bullet insulated terminals** connect with push on male bullet terminals for disconnects which can be inserted and easily removed to install without the use of tools, Color coded insulation indentifies the cable size. Brazed seam serrated barrel provides maximum tensile strength.

Technical Data

Material	:	70% Copper with brass
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)
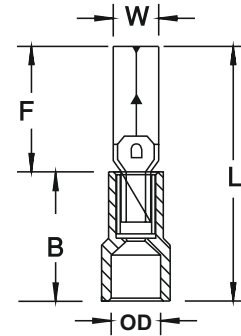
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions				
	MM²		W	F	L	E	OD
			MM	MM	MM	MM	MM
CLBF 1.5 - 4.0	0.5 - 1.5	RED	3.9	7.3	22.0	10.5	3.8
CLBF 2.5 - 4.0	1.5 - 2.5	BLUE	3.9	7.3	22.0	10.5	4.7
CLBF 6 - 5.0	4.0 - 6.0	YELLOW	4.9	7.0	24.5	13.0	6.2

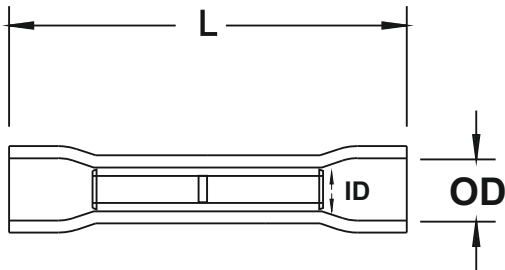# Cable Lugs

CLSB Series
Splice Insulated Terminals

Civaux **Splice insulated terminals** are designed to splice two stranded wires together to repair or lengthen wires and crimped at each end of the splice and are used in limited space area. Color coded insulation identifies the cable size. Brazed seam protects terminal barrel from splitting during the crimping process.

Technical Data

Material	:	Electrolytic Copper
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)

Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions		
			L	OD	ID
	MM²		MM	MM	MM
CLSB 1.5	0.5 - 1.5	RED	24.6	4.0	1.7
CLSB 2.5	1.5 - 2.5	BLUE	24.6	4.5	2.3
CLSB 6	4.0 - 6.0	YELLOW	26.5	6.3	3.4

# CLSS Series

Splice Insulated Terminals (Small)

Civaux **Splice insulated terminals** are designed to splice two stranded wires together to repair or lengthen wires and crimped at each end of the splice and are used in limited space area. Color coded insulation identifies the cable size. Brazed seam protects terminal barrel from splitting during the crimping process.

Technical Data

Material	:	Electrolytic Copper
Plating	:	Plated Tin
Insulation	:	PVC (Polyvinylchloride)
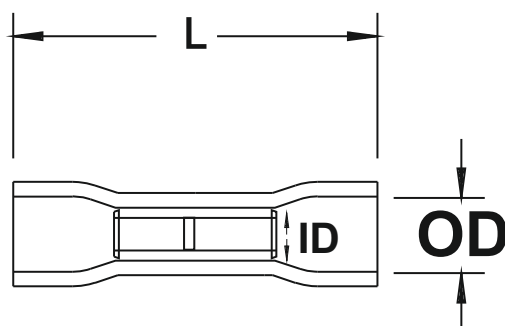
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions		
			L	OD	ID
	MM²		MM	MM	MM
CLSS 1.5	0.5 - 1.5	RED	13.0	4.0	1.7
CLSS 2.5	1.5 - 2.5	BLUE	13.0	4.5	2.3
CLSS 6	4.0 - 6.0	YELLOW	15.0	6.3	3.4

Cable Lugs

CLFM Series
## Fully Insulated Male Terminals

Civaux Fully insulated male terminals connect with female terminals for disconnects which can be inserted and easily removed without the use of tools. Fully insulated terminals are designed for maximum stable connection providing higher quality connection, Color coded insulation identifies the cable size. Brazed seam serrated barrel provides maximum tensile strength.

Technical Data

Material	:	70% Copper with Brass
Plating	:	Plated Tin
Insulation	:	Polyamide
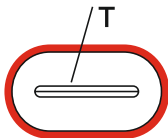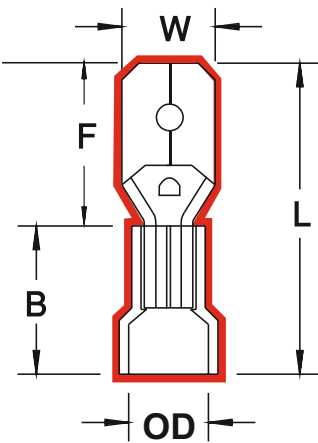
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions				
	MM²		W	F	L	E	OD
			MM	MM	MM	MM	MM
CLFM 1.5 - 6.5	0.5 - 1.5	RED	6.35	7.7	23	11.0	4.0
CLFM 2.5 - 6.5	1.5 - 2.5	BLUE	6.35	7.7	23	11.0	4.5
CLFM 6 - 6.5	4.0 - 6.0	YELLOW	6.35	7.7	25	13.0	6.3

CLFF Series

## Fully Insulated Female Disconnectors

Civaux **Fully insulated female terminals** connect with male terminals for disconnects which can be inserted and easily removed without the use of tools. Fully insulated terminals are designed for maximum stable connection providing higher quality connection, Color coded insulation identifies the cable size. Brazed seam serrated barrel provides maximum tensile strength.

Technical Data

Material	:	70% Copper with Brass
Plating	:	Plated Tin
Insulation	:	Polyamide
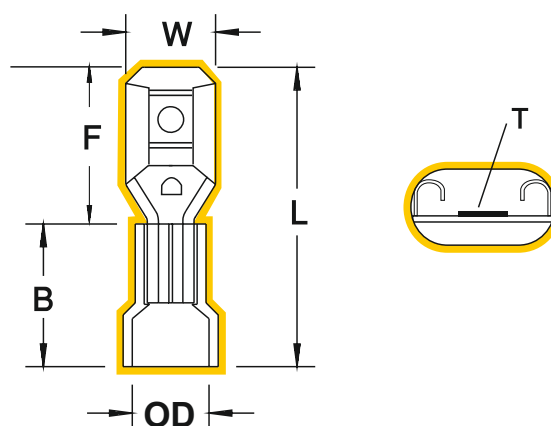
Dimensions

Product Selection

Part Number	Wire Range	Color	Dimensions				
			W	F	L	E	OD
	MM²		MM	MM	MM	MM	MM
CLFF 1.5 - 6.5	0.5 - 1.5	RED	6.6	7.3	22	11.0	4.0
CLFF 2.5 - 6.5	1.5 - 2.5	BLUE	6.6	7.3	22	11.0	4.3
CLFF 6 - 6.5	4.0 - 6.0	YELLOW	6.6	7.3	22	13.0	6.3

CCL5

Cabinet LED Lamp-New Fast Wiring Type

Features

- Wide voltage range
- Integrated power unit
- Long-lived and maintenance-free by LED technology
- Inbuilt On / Off switch
- Magnet, screw

The lamp series LED CCL5 is suitable for all types of panels and enclosures, especially where space is at a premium. The lamps have a very long service life thanks to the use of LED technology. Three different fixing options provide more flexibility for installation. The power output allows up to 10 lamps to be connected to each other (12VDC versions up to 5 lamps). Both the power input output connectors snap lock into their sockets. With the integrated power unit and the plugs the lamp can quickly be connected.

Technical Data

LED 025-C	
Power consumption	max. 5W
Luminosity	400Lm at 120° (1,200Lm at 360° or equivalent 95W light bulb)
Lamp type	LED, angle of radiation 120° light color: daylight, color temperature: 6,000K to 7,000K
Service life	60,000h at +20°C (+68°F)
Connection	2-pole connector with snap lock AC: max. 2.5A / 240VAC, color: white DC: max. 2.5A / 60VDC, color: blue
Mounting	magnet fixing or screw fixing (M5), clip fixing (M6), torque 2Nm max.
Casing	plastic, transparent
Dimensions	see drawings
Weight	0.2kg
Operating/Storage temperature	-30 to +60°C (-22 to +140°F) / -40 to +85°C (-40 to +185°F)
Operating/Storage humidty	max. 90% RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)

Mounting options: The lamps are available with magnet fixing for easy positioning in any steel cabinet or enclosure. Classics the LED CCL5 with screw fixing clip. The holders exclusively designed for clip fixing of the LED CCL5 can be positioned anywhere in the cabinet by simply screwing the holders to the cabinet wall. The lamp is snapped into the clip holders and can be turned in both directions. With a total rotation angle of 180° it provides perfect illumination within the cabinet or enclosure.

Note: The lamp must not be used for household lighting.

Art.No.	Fixing type	Switch	Operating voltage
CCL5-M230	Magnet fixing	on/off light switch	min. 48VAC/DC, max. 265VAC/DC, 50/60Hz
CCL5-S230	Screw fixing	on/off light switch	min. 48VAC/DC, max. 265VAC/DC, 50/60Hz

[1] approx. 5 min. fixed switch-on duration

With ON/OFF switch

Fast Wiring Connector, press the connector, then insert cable into the connector is ok, no need screws. Save time and safety.

CIVAUX

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