

**telergon**  
gorlan team

## Enclosed cam switches





## telergon

Telergon is one of the leading companies in the field of the switchgear engineering.

Ctra. Castellón (Pgno. La Cartuja)  
50720 La Cartuja Baja  
Zaragoza-Spain  
Tel.: (+34) 976 50 08 76  
Fax: (+34) 976 50 03 14  
[comercial@telergon.es](mailto:comercial@telergon.es)  
[www.telergon.com](http://www.telergon.com)



## pronutec

Pronutec is considered one of the leading companies specialised in the fabrication and marketing of capital goods for the low voltage switchgear sector.

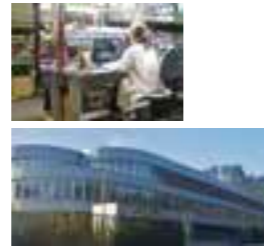
Parque Empresarial Boroa,  
Parcela 2C-1  
48340 Amorebieta  
Vizcaya-Spain  
Tel.: (+ 34) 94 631 32 34  
Fax: (+ 34) 94 631 39 22  
[pnt@pronutec.com](mailto:pnt@pronutec.com)  
[www.pronutec.com](http://www.pronutec.com)



## tripus

Tripus has become the leading manufacturer of complete switch-plug combinations for do-it-yourself and construction industries in Europe.

Am Hohen Rain 2  
89347 Bubesheim  
Tel.: (+ 49) 8221 9016-0  
Fax: (+ 49) 8221 3073  
[sales@tripus.de](mailto:sales@tripus.de)  
[www.tripus.de](http://www.tripus.de)



## merytronic

Merytronic is a company with a high added value in research, development and production of electronic equipment, both fixed and portable, for monitoring, control and indication of electronic distribution networks.

Parque Empresarial Boroa,  
Parcela 2C-1  
48340 Amorebieta, Vizcaya-Spain  
Tel.: (+34) 94 605 24 62  
[merytronic@merytronic.com](mailto:merytronic@merytronic.com)  
[www.merytronic.com](http://www.merytronic.com)



## pronutec GmbH

Pronutec GmbH. After many years of experience in the German market, Pronutec GmbH was established to provide customers a more personalized and direct service.

Am Hohen Rain 2  
89347 Bubesheim-Germany  
Tel.: (+49) 8221 901 677  
Fax: (+49) 8221 901 6777  
[germany@gorlanteam.com](mailto:germany@gorlanteam.com)  
[www.germany.gorlanteam.com](http://www.germany.gorlanteam.com)



## plastibor

Dedicated to plastics injection moulding, Plastibor separates production into two different sections:

The thermosetting polymers section and thermoplastic materials section. In the first section thermoset polyester parts are moulded from moist polyester, and in the second section, thermoplastic materials such as polyamides, polycarbonates, PBT, PPS, PEI, PP, PARA, etc. are injected.

Parque Empresarial Boroa,  
Parcela 2C-1  
48340 Amorebieta  
Vizcaya-Spain  
Tel.: (+34) 94 648 26 87  
Fax: (+34) 94 648 26 88  
[ptb@plastibor.com](mailto:ptb@plastibor.com)  
[www.plastibor.com](http://www.plastibor.com)



## inaselec

Inaselec Assembly is a recent established Company within Gorlan group, is devoted to the manufacturing activity.

As a result of this exclusive dedication to the manufacture and assembly by means of the most developed and modern systems, as well as rigorous quality controls, Inaselec offers an excellent end-product.

Pol. Fuente Ciega-C/Encinas, 40  
26200 Haro, La Rioja-Spain  
Tel.: (+34) 941 89 49 00  
[inaselec@inaselec.com](mailto:inaselec@inaselec.com)  
[www.inaselec.com](http://www.inaselec.com)



## gorlan Polska

Gorlan Polska was established to spread the group's solutions and attend the local customers needs in the Polish market.

uL. Zeromskiego 18  
56-420 Bierutów-Polska  
Tel.: (+48) 71 315-63-21  
Fax: (+48) 71 314-62-35  
[polska@gorlanteam.com](mailto:polska@gorlanteam.com)  
[www.polska.gorlanteam.com](http://www.polska.gorlanteam.com)



## gorlan Shanghai

Gorlan Electric Shanghai was established to offer its group's solutions to the Chinese market in order to attend to this market's needs in the most customised and efficient fashion possible.

Office 1505, Sino Life Tower  
No. 707 Zhangyang Road  
Pudong, Shanghai 200120-China  
Tel.: (+86) 21 58 88 92 86  
[shanghai@gorlanteam.com](mailto:shanghai@gorlanteam.com)  
[www.shanghai.gorlanteam.com](http://www.shanghai.gorlanteam.com)



## gorlan India

Gorlan India Switchgears Private Limited was formed as a result of the merger of Gem Telergon Switchgears Pvt Ltd and Gorlan Technologies Pvt Ltd.

24, Textool Feeder Industrial Estate, Ganapathy  
Coimbatore-641 006-India  
Tel.: (+91) 422 253 7041  
Fax: (+91) 422 253 2890  
[india@gorlanteam.com](mailto:india@gorlanteam.com)  
[www.india.gorlanteam.com](http://www.india.gorlanteam.com)

## Enclosed cam switches

series  
CITP | CITR | CTFR

series  
CITA | CITC | CTBA



IP65



IP55

1 2 3 4 5 6  
CITP

1 2 3 4 5 6  
CITR

1 2 3 4 5 6  
CTFR

1 2 3 4 5 6  
CITA

1 2 3 4 5 6  
CITC

1 2 3 4 5 6  
CTBA

Cam Switches 0 - I  
from 1 up to 4 poles  
Changeovers I - 0 - II  
from 1 to 4 poles

In plastic enclosure  
Available from 12 up to 100 A  
according to models

With padlockable handle  
(on request)

Possibility of other diagrams/schemes  
(on request)

Cam Switches 0 - I  
from 1 up to 4 poles  
Changeovers I - 0 - II  
from 1 to 4 poles

In metallic enclosure  
Available from 12 up to 100 A  
according to models

With padlockable handle  
(on request)

Possibility of other diagrams/schemes  
(on request)

Cam switches are manufactured in different series under strict quality controls to provide a reliable product that meets the most demanding requirements.

They consist of chambers, each containing up to two double break contacts of positive opening. These contacts silver alloy plated providing a long electromechanical life.

# CITP | CTFR

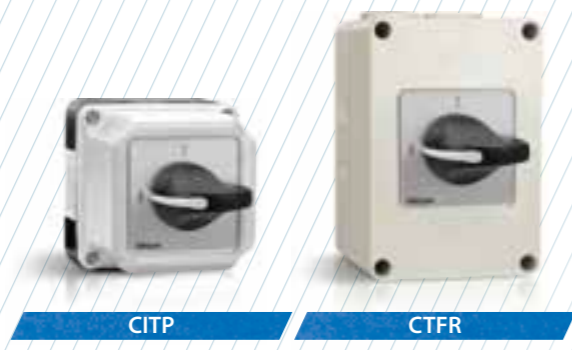
## Enclosed cam switch IP65

(plastic enclosure)  
1P up to 4P

**Size 0**

**A** 12|20|25

Icons: Switch, IP65, 1P



CITP

CTFR



### Technical information

According to IEC 60947-3

According to IEC 60947-3			CITP	CITP	CTFR		
			T12	T20	TF25		
Rated thermal current	Ith	A	16	25	32		
Rated insulation voltage	Ui	V	500	500	690		
Rated impulse withstand voltage	Uimp	kV	6	6	6		
AC rated operational current	Ie	Ue 415V AC21A A	16	25	32		
		Ue 415V AC22A A	16	25	32		
		Ue 500V AC21A A	16	20	-		
		Ue 500V AC22A A	16	20	-		
		Ue 690V AC21A A	-	-	32		
		Ue 690V AC22A A	-	-	25		
		3x240V AC23A kW	4	4	7,5		
		3x240V AC3 kW	3	4	5,5		
		3x240V AC4 kW	1,1	1,5	3		
		1x240V AC3 kW	1,5	2,2	4		
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	1x240V AC4 kW	0,37	0,55	1,1		
		3x415V AC23A kW	5,5	7,5	11		
		3x415V AC3 kW	4	5,5	7,5		
		3x415V AC4 kW	2,2	3	5,5		
		1x400V AC3 kW	2,2	3	5,5		
		1x400V AC4 kW	0,75	1,1	1,5		
		3x500V AC23A kW	5,5	7,5	11		
		3x500V AC3 kW	4	7,5	11		
		3x500V AC4 kW	2,2	3	5,5		
		3x690V AC23A kW	-	-	15		
Rated conditional short-circuit current	Ics	3x690V AC3 kW	-	-	11		
		3x690V AC4 kW	-	-	5,5		
			kA	10	10	5	
		Rated maximum current	I <sub>g</sub> -gG	A	25	25	32
		Rated breaking capacity	400V; cos φ=0,45	A	80	100	200
Rated short-time withstand current (1 sec)	I <sub>st</sub>	A	240	400	500		
Mechanical durability (thousand of operations)			1000	1000	1000		
Rigid copper conductor		mm <sup>2</sup>	2x4	2x4	1x10		
Flexible copper conductor		mm <sup>2</sup>	2x2,5	2x2,5	1x6		

**Normal service conditions:**  
 Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
 Rated frequency at AC utilization categories: 50/60 Hz.  
 Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
 Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.



Series | Amp

CITP0012  
 CITP0020  
 CTFR0025

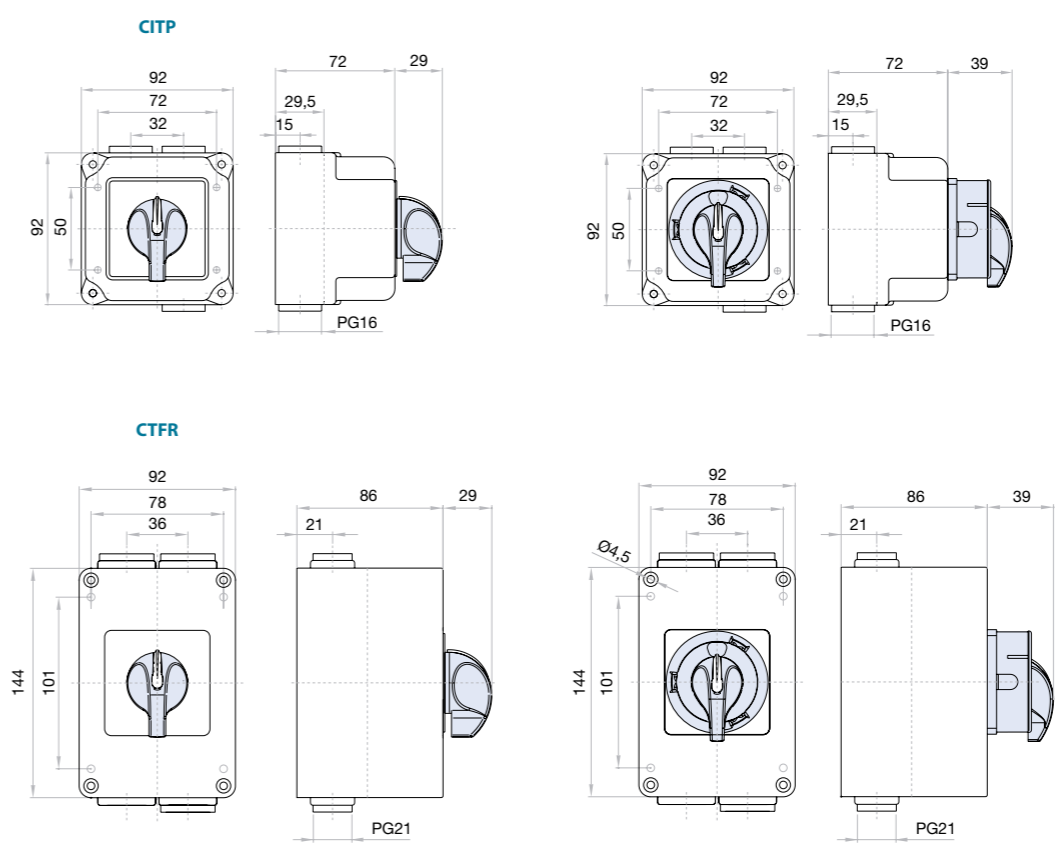
### Diagram

Poles	Posit. 0 1	Chambers			
		1	2	3	4
1	X	00010			
2	X	00011			
3	X	00012			
4	X	00013			

### Plate and handle



### Dimensions (mm)



(in & out by cable gland - not included)

# CITP | CTR

## Enclosed cam switch IP65

(plastic enclosure)  
1P up to 4P

**Size 1**

**A** 16|25|32|40

Icons: IP65, 1P, 2P, 3P, 4P



CITP

CTR

### Technical information



According to IEC 60947-3

According to IEC 60947-3			CITP	CITP	CITP   CTR	CITP   CTR	
			T16	T25	T32	T40	
Rated thermal current	Ith	A	25	32	40	50	
Rated insulation voltage	Ui	V	690	690	690	690	
Rated impulse withstand voltage	Uimp	kV	6	6	8	8	
AC rated operational current	Ie	Ue 415V AC21A	A	25	32	40	50
		Ue 415V AC22A	A	25	32	40	50
		Ue 690V AC21A	A	25	32	40	50
		Ue 690V AC22A	A	25	25	40	40
	Pe	3x240V AC23A	kW	5,5	7,5	11	15
		3x240V AC3	kW	5,5	5,5	7,5	11
		3x240V AC4	kW	2,2	3	4	4
		1x240V AC3	kW	3	4	5,5	5,5
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	1x240V AC4	kW	0,75	1,1	1,5	2,2
		3x415V AC23A	kW	11	11	15	18,5
		3x415V AC3	kW	7,5	7,5	11	15
		3x415V AC4	kW	4	5,5	5,5	7,5
		1x400V AC3	kW	4	5,5	7,5	7,5
		1x400V AC4	kW	1,5	1,5	2,2	3
	Pe	3x500V AC23A	kW	11	11	15	18,5
		3x500V AC3	kW	7,5	11	11	15
		3x500V AC4	kW	4	5,5	5,5	7,5
		3x690V AC23A	kW	11	15	18,5	30
		3x690V AC3	kW	7,5	11	15	22
		3x690V AC4	kW	4	5,5	5,5	7,5
Rated conditional short-circuit current		kA	10	10	10	10	
Rated maximum current	gL-gG	A	32	32	50	50	
Rated breaking capacity	400V; cos φ=0,45	A	160	200	256	320	
Rated short-time withstand current (1 sec)		A	500	650	725	800	
Mechanical durability (thousand of operations)			1000	1000	1000	1000	
Rigid copper conductor		mm <sup>2</sup>	2x6	2x6	2x10	2x10	
Flexible copper conductor		mm <sup>2</sup>	2x4	2x4	2x6	2x6	

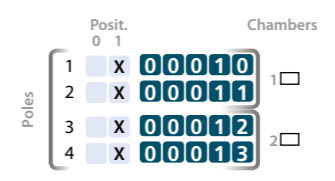
**Normal service conditions:**  
 Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
 Rated frequency at AC utilization categories: 50/60 Hz.  
 Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
 Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.



**Series | Amp**

- CITP0016
- CITP0025
- CITP0032
- CITP0040
- CITR0032
- CITR0040

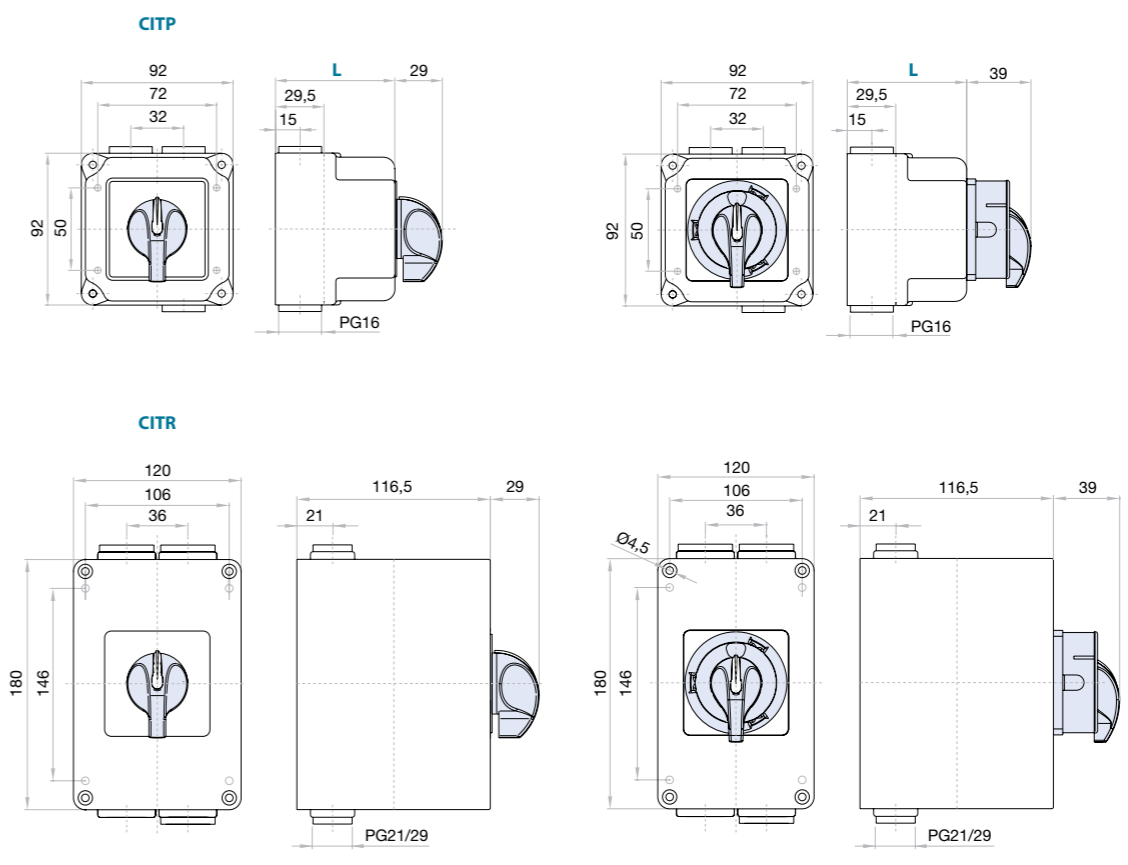
**Diagram**



**Plate and handle**



### Dimensions (mm)



L	Pisos	
	1	2
T16 T25	72	86
T32 T40	72	100

(in & out by cable gland - not included)

# CITR

## Enclosed cam switch IP65

(plastic enclosure)  
1P up to 4P

Size 2  
A 63|100  
IP65



CITR

### Technical information



According to IEC 60947-3

			CITR T63	CITR T100
Rated thermal current	Ith	A	80	125
Rated insulation voltage	Ui	V	690	690
Rated impulse withstand voltage	Uimp	kV	8	8
AC rated operational current	Ie	Ue 415V AC21A	A 80	125
		Ue 415V AC22A	A 80	115
		Ue 690V AC21A	A 80	115
		Ue 690V AC22A	A 63	100
	Pe	3x240V AC23A	kW 22	30
		3x240V AC3	kW 18,5	30
		3x240V AC4	kW 7,5	11
		1x240V AC3	kW 11	15
		1x240V AC4	kW 3	4
		3x415V AC23A	kW 37	45
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x415V AC3	kW 30	37
		3x415V AC4	kW 11	15
		1x400V AC3	kW 18,5	18,5
		1x400V AC4	kW 5,5	7,5
	Pe	3x500V AC23A	kW 37	55
		3x500V AC3	kW 30	45
		3x500V AC4	kW 11	15
		3x690V AC23A	kW 45	55
		3x690V AC3	kW 45	45
		3x690V AC4	kW 11	15
Rated conditional short-circuit current		kA	15	15
Rated maximum current	gL-gG	A	80	125
Rated breaking capacity	400V; cos φ=0,45	A	504	640
Rated short-time withstand current (1 sec)		A	1600	2500
Mechanical durability (thousand of operations)			1000	1000
Rigid copper conductor		mm <sup>2</sup>	16/25 <sup>(1)</sup>	35/50 <sup>(1)</sup>
Flexible copper conductor		mm <sup>2</sup>	10/16 <sup>(1)</sup>	16/35 <sup>(1)</sup>

<sup>(1)</sup> With terminals for connection (IP00)

#### Normal service conditions:

Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
Rated frequency at AC utilization categories: 50/60 Hz.  
Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

Code 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

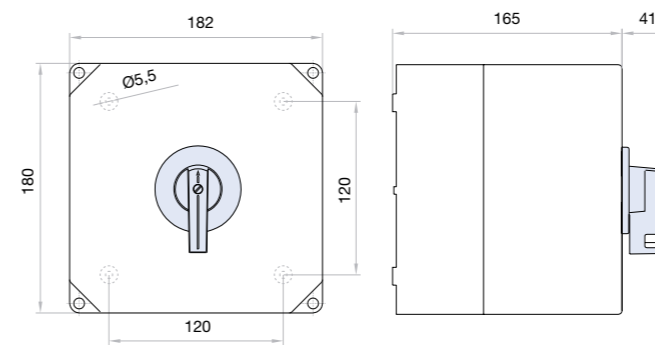
Serie | Amp  
CITR0063  
CITR0100

Diagram

Poles	Posit. 0 1	Chambers				
		1	2	3	4	
1	X	0	0	0	1	1
2	X	0	0	0	1	1
3	X	0	0	0	1	2
4	X	0	0	0	1	3

Plate and handle  
9N0 9R0 Padlockable handle

### Dimensions (mm)



(in & out by cable gland - not included)

# CITA | CTBA

## Enclosed cam switch IP55

(metallic enclosure - aluminium)  
1P up to 4P

Size 0  
A 12|20|25|32  
IP55



CITA CTBA

### Technical information



According to IEC 60947-3

			CITA	CITA	CTBA	CTBA	CTBA
			T12	T20	TB20	TB25	TB32
Rated thermal current	Ith	A	16	25	20	25	32
Rated insulation voltage	Ui	V	500	500	500	500	500
Rated impulse withstand voltage	Uimp	kV	6	6	6	6	6
AC rated operational current	Ie	Ue 415V AC21A A	16	25	20	25	32
		Ue 415V AC22A A	16	25	20	25	32
		Ue 415V AC23A A	-	-	20	25	32
		Ue 500V AC21A A	16	20	20	25	32
		Ue 500V AC22A A	16	20	20	25	32
		Ue 500V AC23A A	-	-	16	20	25
		3x240V AC23A kW	4	4	5,4	6,7	8,6
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x240V AC3 kW	3	4	3,7	4,6	5,9
		3x240V AC4 kW	1,1	1,5	2,9	3,7	4,6
		1x240V AC3 kW	1,5	2,2	2,1	2,7	4
		1x240V AC4 kW	0,37	0,55	1	1,25	1,5
		3x415V AC23A kW	5,5	7,5	9,3	11,7	15
		3x415V AC3 kW	4	5,5	6,4	8	10,3
		3x415V AC4 kW	2,2	3	3,1	3,8	5,5
		1x400V AC3 kW	2,2	3	3,6	4,5	5,7
		1x400V AC4 kW	0,75	1,1	1,7	2,2	3
		3x500V AC23A kW	5,5	7,5	9	11	14
Rated conditional short-circuit current	Ics	3x500V AC3 kW	4	7,5	7,8	9,7	12,5
		3x500V AC4 kW	2,2	3	3,3	4,7	5,5
Rated maximum current	I <sub>g</sub> -gG	A	25	25	35	35	35
Rated breaking capacity	400V; cos φ=0,45	A	80	100	160	200	256
Rated short-time withstand current (1 sec)	I <sub>st</sub>	A	240	400	240	400	500
Mechanical durability (thousand of operations)			1000	1000	1000	1000	1000
Rigid copper conductor		mm <sup>2</sup>	2x4	2x4	1x10 2x6	1x10 2x6	1x10 2x6
Flexible copper conductor		mm <sup>2</sup>	2x2,5	2x2,5	1x6 2x4	1x6 2x4	1x6 2x4

**Normal service conditions:**  
Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
Rated frequency at AC utilization categories: 50/60 Hz.  
Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

Code 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

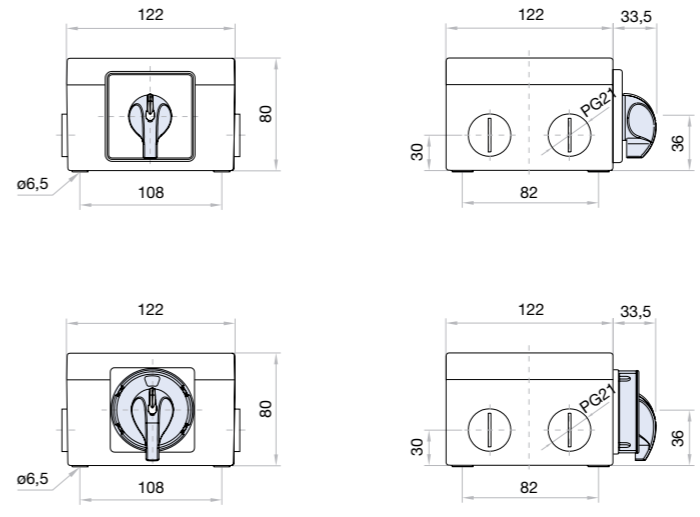
Series | Amp  
CITA0012  
CITA0020  
CTBA0020  
CTBA0025  
CTBA0032

Diagram

Poles	Posit. 0 1	Chambers	
		1	2
1	X	00010	1
2	X	00011	1
3	X	00012	2
4	X	00013	2

Plate and handle  
Arrow handle: 1N1, 1R1  
Padlockable handle: 7N0, 7R0

### Dimensions (mm)



(in & out by cable gland - not included)

# CITA

## Enclosed cam switch IP55

(metallic enclosure - aluminium)  
1P up to 4P

Size 1  
A 16|25|32|40  
IP55



CITA

### Technical information



According to IEC 60947-3

			CITA T16	CITA T25	CITA T32	CITA T40
Rated thermal current	Ith	A	25	32	40	50
Rated insulation voltage	Ui	V	690	690	690	690
Rated impulse withstand voltage	Uimp	kV	6	6	8	8
AC rated operational current	Ie	Ue 415V AC21A	A 25	32	40	50
		Ue 415V AC22A	A 25	32	40	50
		Ue 690V AC21A	A 25	32	40	50
		Ue 690V AC22A	A 25	25	40	40
	Pe	3x240V AC23A	kW 5,5	7,5	11	15
		3x240V AC3	kW 5,5	5,5	7,5	11
		3x240V AC4	kW 2,2	3	4	4
		1x240V AC3	kW 3	4	5,5	5,5
		1x240V AC4	kW 0,75	1,1	1,5	2,2
		3x415V AC23A	kW 11	11	15	18,5
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x415V AC3	kW 7,5	7,5	11	15
		3x415V AC4	kW 4	5,5	5,5	7,5
	Pe	1x400V AC3	kW 4	5,5	7,5	7,5
		1x400V AC4	kW 1,5	1,5	2,2	3
		3x500V AC23A	kW 11	11	15	18,5
		3x500V AC3	kW 7,5	11	11	15
		3x500V AC4	kW 4	5,5	5,5	7,5
		3x690V AC23A	kW 11	15	18,5	30
		3x690V AC3	kW 7,5	11	15	22
		3x690V AC4	kW 4	5,5	5,5	7,5
Rated conditional short-circuit current		kA	10	10	10	10
Rated maximum current	gL-gG	A	32	32	50	50
Rated breaking capacity	400V; cos φ=0,45	A	160	200	256	320
Rated short-time withstand current (1 sec)		A	500	650	725	800
Mechanical durability (thousand of operations)			1000	1000	1000	1000
Rigid copper conductor		mm <sup>2</sup>	2x6	2x6	2x10	2x10
Flexible copper conductor		mm <sup>2</sup>	2x4	2x4	2x6	2x6

### Normal service conditions:

Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
Rated frequency at AC utilization categories: 50/60 Hz.  
Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.



### Series | Amp

- CITA0016
- CITA0025
- CITA0032
- CITA0040

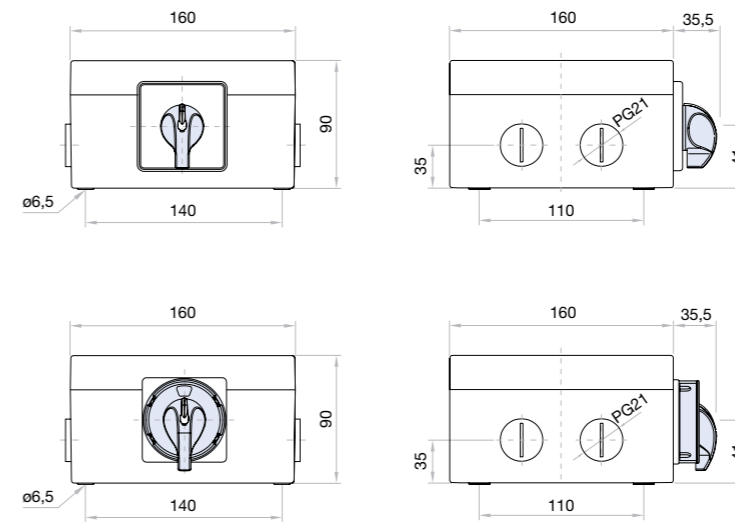
### Diagram

Poles	Posit. 0 1	Chambers			
		1	2	3	4
1	X	00010			
2	X	00011			
3	X	00012			
4	X	00013			

### Plate and handle



### Dimensions (mm)



(in & out by cable gland - not included)

# CITA | CITC

## Enclosed cam switch IP55

(metallic enclosure - aluminium - cast iron)  
1P up to 4P

Size 2  
A 50|63|80|100|125|175



CITA

CITC

### Technical information



According to IEC 60947-3

According to IEC 60947-3			CITA T50	CITA T63	CITA T80	CITC T100	CITC T125	CITC T175	
Rated thermal current	I <sub>th</sub>	A	63	80	80	125	125	200	
Rated insulation voltage	U <sub>i</sub>	V	690	690	690	690	690	1000	
Rated impulse withstand voltage	U <sub>imp</sub>	kV	8	8	8	8	8	8	
AC rated operational current	I <sub>e</sub>	Ue 415V AC21A	A	63	80	80	125	125	200
		Ue 415V AC22A	A	63	80	80	115	115	200
		Ue 690V AC21A	A	63	80	80	115	115	175
		Ue 690V AC22A	A	63	63	63	100	100	160
		3x240V AC23A	kW	18,5	22	22	30	30	55
		3x240V AC3	kW	15	18,5	18,5	30	30	37
AC rated operational power (Rated operational frequency 50/60 Hz)	P <sub>e</sub>	3x240V AC4	kW	5,5	7,5	7,5	11	11	15
		1x240V AC3	kW	7,5	11	11	15	15	18,5
		1x240V AC4	kW	3	3	3	4	4	5,5
		3x415V AC23A	kW	30	37	37	45	45	90
		3x415V AC3	kW	22	30	30	37	37	75
		3x415V AC4	kW	11	11	11	15	15	18,5
		1x400V AC3	kW	15	18,5	18,5	18,5	18,5	20
		1x400V AC4	kW	4	5,5	5,5	7,5	7,5	11
		3x500V AC23A	kW	30	37	37	55	55	110
		3x500V AC3	kW	22	30	30	45	45	75
		3x500V AC4	kW	11	11	11	15	15	18,5
		3x690V AC23A	kW	37	45	45	55	55	75
3x690V AC3	kW	37	45	45	45	45	55		
3x690V AC4	kW	11	11	11	15	15	18,5		
Rated conditional short-circuit current		kA	15	15	15	15	15	15 <sup>(*)</sup>	
Rated maximum current	gL-gG	A	80	80	80	125	125	160	
Rated breaking capacity	400V; cos φ=0,45	A	504	504	504	640	640	1600	
Rated short-time withstand current (1 sec)		A	1600	1600	1600	2500	2500	3500	
Mechanical durability (thousand of operations)			1000	1000	1000	1000	1000	1000	
Rigid copper conductor		mm <sup>2</sup>	16/25 <sup>(**)</sup>	16/25 <sup>(**)</sup>	16/25 <sup>(**)</sup>	35/50 <sup>(**)</sup>	35/50 <sup>(**)</sup>	95	
Flexible copper conductor		mm <sup>2</sup>	10/16 <sup>(**)</sup>	10/16 <sup>(**)</sup>	10/16 <sup>(**)</sup>	16/35 <sup>(**)</sup>	16/35 <sup>(**)</sup>	95	

\*<sup>(1)</sup> With terminals for connection

\*<sup>(2)</sup> Mounting without connection terminals or terminals + phase barriers

#### Normal service conditions:

Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).

Rated frequency at AC utilization categories: 50/60 Hz.

Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.

Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

### Series | Amp

CITA0050  
CITA0063  
CITA0080  
CITC0100  
CITC0125  
CITC0175

Code 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

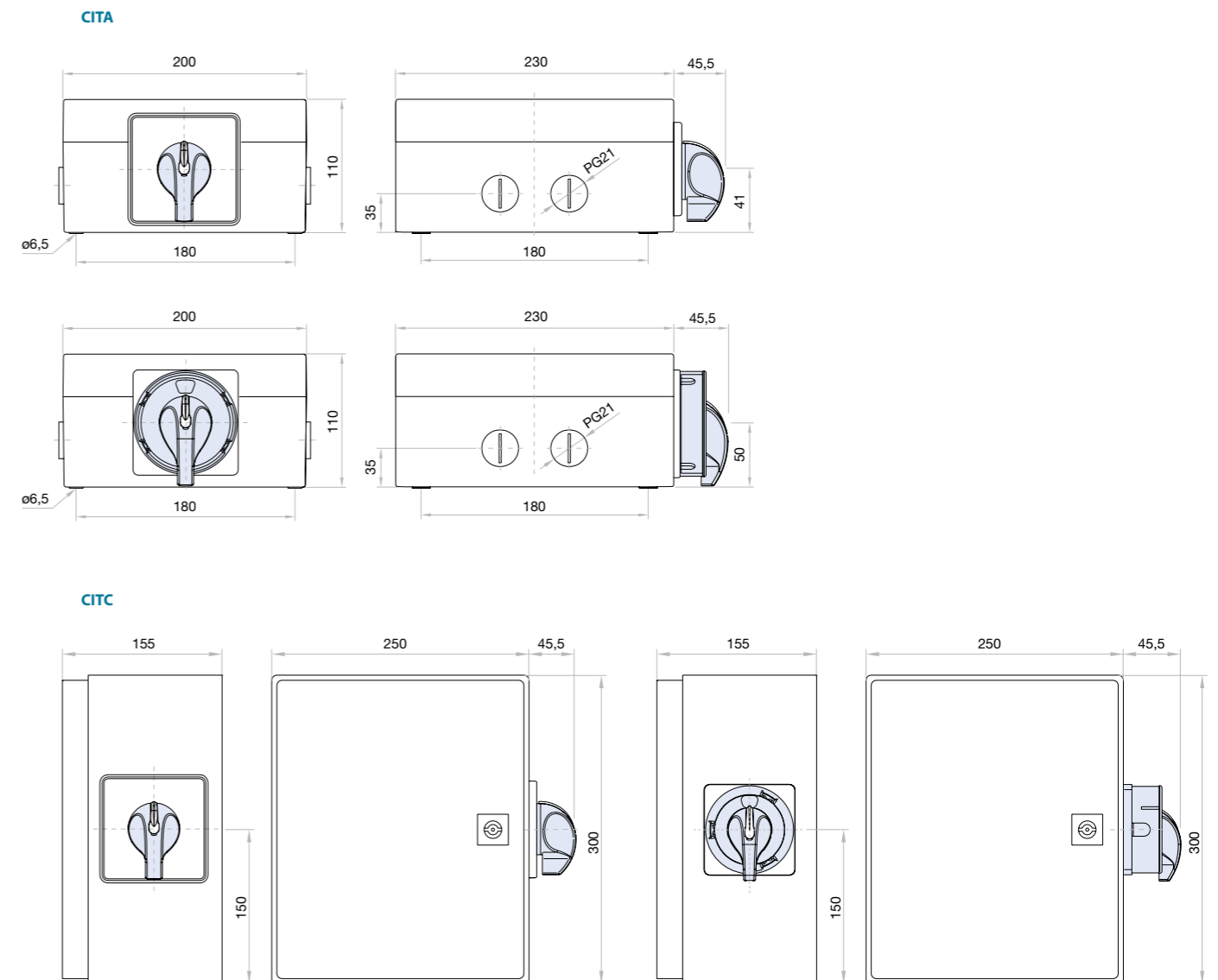
### Diagram

Poles	Posit. 0 1	Chambers			
		1	2	3	4
1	X	00010			
2	X	00011			
3	X	00012			
4	X	00013			

### Plate and handle



### Dimensions (mm)



(in & out by cable gland - not included)



# CITC Enclosed cam switch IP55

(metallic enclosure - cast iron with door)  
1P up to 4P



CITC

Size 3  
A 200|250|315  
IP55

## Technical information



According to IEC 60947-3

According to IEC 60947-3			CITC T200	CITC T250	CITC T315	
Rated thermal current	I <sub>th</sub>	A	200	250	315	
Rated insulation voltage	U <sub>i</sub>	V	690	690	690	
Rated impulse withstand voltage	U <sub>imp</sub>	kV	8	8	8	
AC rated operational current	I <sub>e</sub>	Ue 415V AC21A	A	200	250	315
		Ue 415V AC22A	A	200	250	315
		Ue 690V AC21A	A	200	220	250
		Ue 690V AC22A	A	200	200	200
		3x240V AC23A	kW	55	67	75
		3x240V AC3	kW	45	54	61
		3x240V AC4	kW	15	18	20
		1x240V AC3	kW	22	22	22
AC rated operational power (Rated operational frequency 50/60 Hz)	P <sub>e</sub>	1x240V AC4	kW	7,5	9	10
		3x415V AC23A	kW	90	115	130
		3x415V AC3	kW	75	95	108
		3x415V AC4	kW	22	28	31
		1x400V AC3	kW	37	47	53
		1x400V AC4	kW	11	14	16
		3x500V AC23A	kW	110	130	145
		3x500V AC3	kW	90	106	118
		3x500V AC4	kW	22	26	29
		3x690V AC23A	kW	132	155	175
		3x690V AC3	kW	110	129	145
		3x690V AC4	kW	22	25	29
Rated conditional short-circuit current		kA	25	15	15	
Rated maximum current	gL-gG	A	200	250	315	
Rated breaking capacity	400V; cos φ=0,45	A	1450	2000	2240	
Rated short-time withstand current (1 sec)		A	4400	4400	4400	
Mechanical durability (thousand of operations)			1000	1000	1000	
Rigid copper conductor		mm <sup>2</sup>	95	120	185	
Flexible copper conductor		mm <sup>2</sup>	95	120	185	

**Normal service conditions:**  
Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
Rated frequency at AC utilization categories: 50/60 Hz.  
Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

Series | Amp  
CITC0200  
CITC0250  
CITC0315

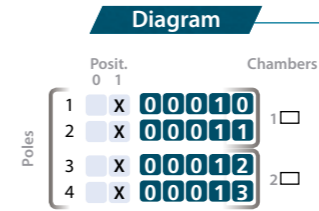
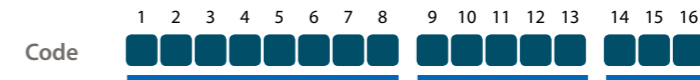
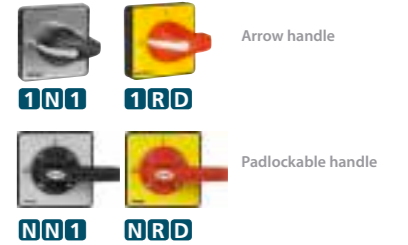
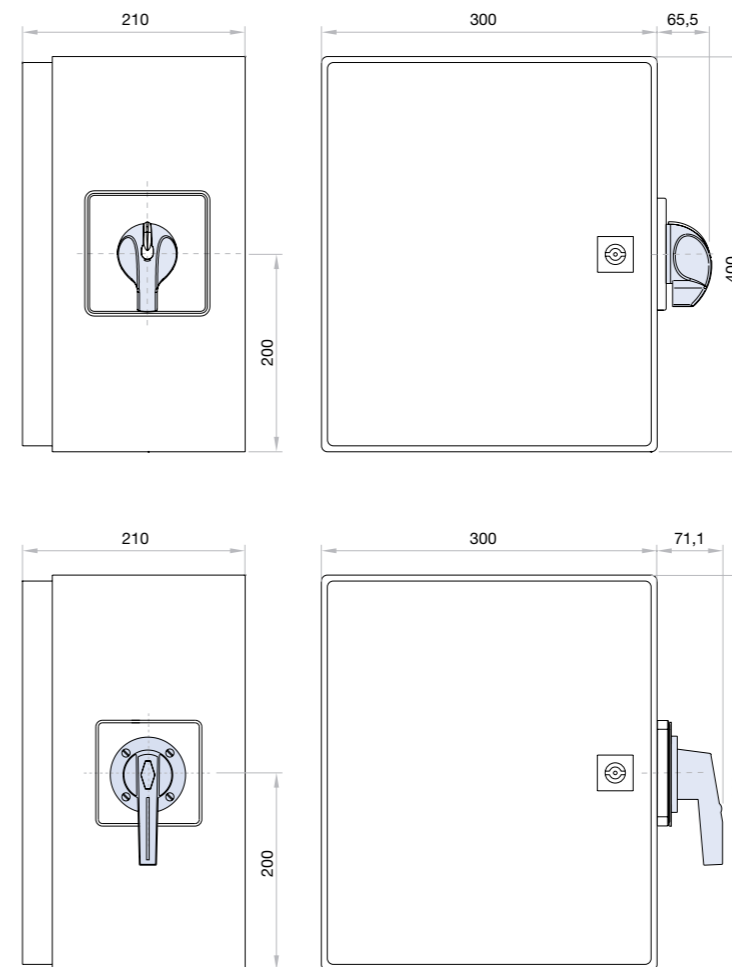


Plate and handle



## Dimensions (mm)



(in & out by cable gland - not included)

# CITP | CTFR

## Enclosed changeover IP65

(plastic enclosure)  
1P up to 4P

**Size 0**

**A** 12|20|25



CITP

CTFR



### Technical information

According to IEC 60947-3

According to IEC 60947-3			CITP T12	CITP T20	CTFR TF25		
Rated thermal current	Ith	A	16	25	32		
Rated insulation voltage	Ui	V	500	500	690		
Rated impulse withstand voltage	Uimp	kV	6	6	6		
AC rated operational current	Ie	Ue 415V AC21A A	16	25	32		
		Ue 415V AC22A A	16	25	32		
		Ue 500V AC21A A	16	20	-		
		Ue 500V AC22A A	16	20	-		
		Ue 690V AC21A A	-	-	32		
		Ue 690V AC22A A	-	-	25		
		3x240V AC23A kW	4	4	7,5		
		3x240V AC3 kW	3	4	5,5		
		3x240V AC4 kW	1,1	1,5	3		
		1x240V AC3 kW	1,5	2,2	4		
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	1x240V AC4 kW	0,37	0,55	1,1		
		3x415V AC23A kW	5,5	7,5	11		
		3x415V AC3 kW	4	5,5	7,5		
		3x415V AC4 kW	2,2	3	5,5		
		1x400V AC3 kW	2,2	3	5,5		
		1x400V AC4 kW	0,75	1,1	1,5		
		3x500V AC23A kW	5,5	7,5	11		
		3x500V AC3 kW	4	7,5	11		
		3x500V AC4 kW	2,2	3	5,5		
		3x690V AC23A kW	-	-	15		
Rated conditional short-circuit current	Ics	3x690V AC3 kW	-	-	11		
		3x690V AC4 kW	-	-	5,5		
		3x690V AC3 kW	10	10	5		
		Rated maximum current	I <sub>g</sub> -gG	A	25	25	32
		Rated breaking capacity	400V; cos φ=0,45	A	80	100	200
Rated short-time withstand current (1 sec)	I <sub>st</sub>	A	240	400	500		
Mechanical durability (thousand of operations)	N		1000	1000	1000		
Rigid copper conductor	S	mm <sup>2</sup>	2x4	2x4	1x10		
Flexible copper conductor	S	mm <sup>2</sup>	2x2,5	2x2,5	1x6		

### Normal service conditions:

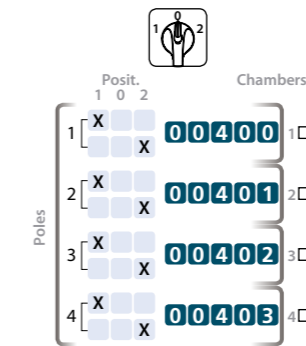
Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications). Rated frequency at AC utilization categories: 50/60 Hz.  
 Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
 Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

### Series | Amp

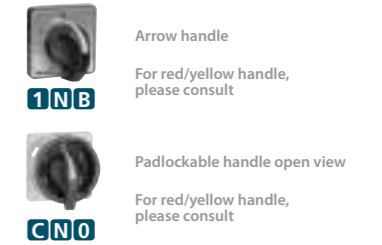
CITP0012  
CITP0020  
CTFR0025



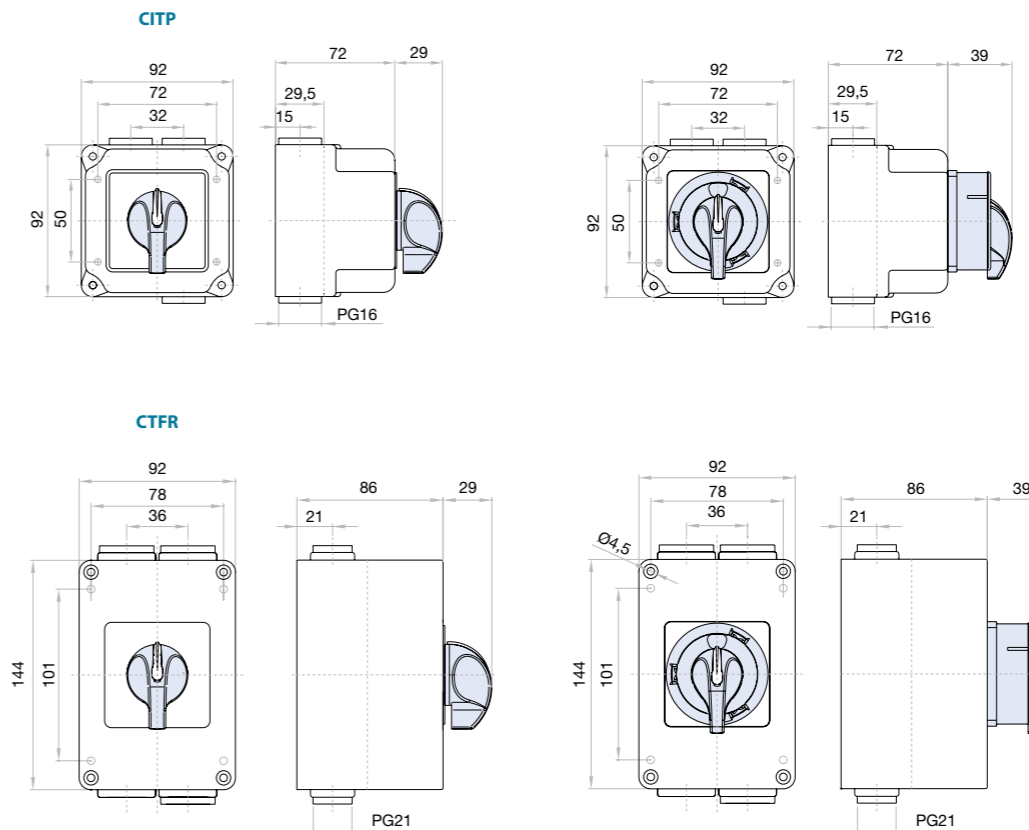
### Diagram



### Plate and handle



### Dimensions (mm)



L	Pisos		
	2□	3□	4□
T12 T20	72	86	100

L	Pisos	
	3□	4□
TF25	86	100

(in & out by cable gland - not included)

# CITP | CTR

## Enclosed changeover IP65

(plastic enclosure)  
1P up to 4P

Size 1  
A 16|25|32|40  
IP65



### Technical information



According to IEC 60947-3

			CITP T16	CITP T25	CITP   CTR T32	CITP   CTR T40	
Rated thermal current	Ith	A	25	32	40	50	
Rated insulation voltage	Ui	V	690	690	690	690	
Rated impulse withstand voltage	Uimp	kV	6	6	8	8	
AC rated operational current	Ie	Ue 415V AC21A	A	25	32	40	50
		Ue 415V AC22A	A	25	32	40	50
		Ue 690V AC21A	A	25	32	40	50
		Ue 690V AC22A	A	25	25	40	40
		3x240V AC23A	kW	5,5	7,5	11	15
		3x240V AC3	kW	5,5	5,5	7,5	11
		3x240V AC4	kW	2,2	3	4	4
		1x240V AC3	kW	3	4	5,5	5,5
		1x240V AC4	kW	0,75	1,1	1,5	2,2
		3x415V AC23A	kW	11	11	15	18,5
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x415V AC3	kW	7,5	7,5	11	15
		3x415V AC4	kW	4	5,5	5,5	7,5
		1x400V AC3	kW	4	5,5	7,5	7,5
		1x400V AC4	kW	1,5	1,5	2,2	3
		3x500V AC23A	kW	11	11	15	18,5
		3x500V AC3	kW	7,5	11	11	15
		3x500V AC4	kW	4	5,5	5,5	7,5
		3x690V AC23A	kW	11	15	18,5	30
		3x690V AC3	kW	7,5	11	15	22
		3x690V AC4	kW	4	5,5	5,5	7,5
Rated conditional short-circuit current		kA	10	10	10	10	
Rated maximum current	gL-gG	A	32	32	50	50	
Rated breaking capacity	400V; cos φ=0,45	A	160	200	256	320	
Rated short-time withstand current (1 sec)		A	500	650	725	800	
Mechanical durability (thousand of operations)			1000	1000	1000	1000	
Rigid copper conductor		mm <sup>2</sup>	2x6	2x6	2x10	2x10	
Flexible copper conductor		mm <sup>2</sup>	2x4	2x4	2x6	2x6	

#### Normal service conditions:

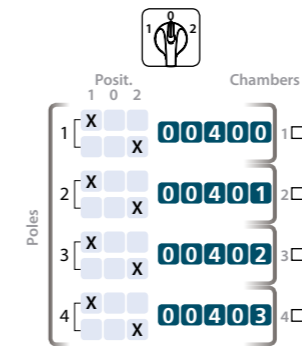
Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
Rated frequency at AC utilization categories: 50/60 Hz.  
Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.



#### Series | Amp

- CITP0016
- CITP0025
- CITP0032
- CITR0032
- CITR0040

#### Diagram

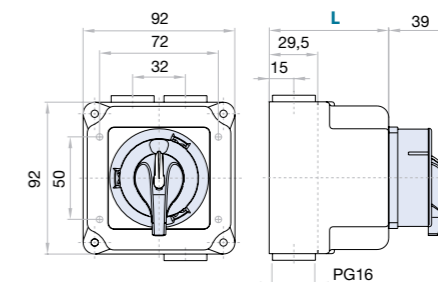
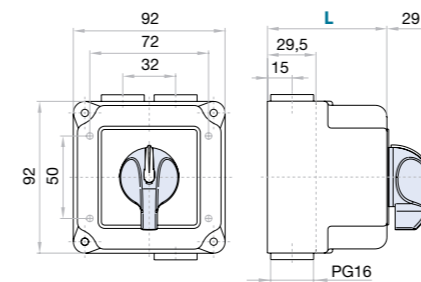


#### Plate and handle

- 1NB Arrow handle  
For red/yellow handle, please consult
- CNO Padlockable handle open view  
For red/yellow handle, please consult
- 9N0 Padlockable handle  
Standard for CTR - T32 | T40 4 poles only  
For red/yellow handle, please consult

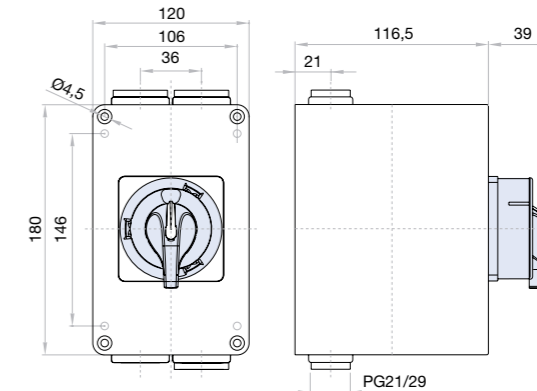
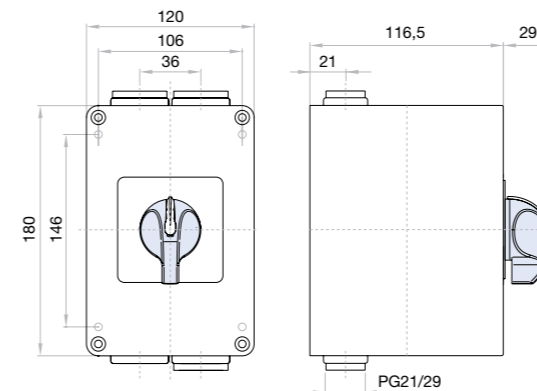
### Dimensions (mm)

CITP (up to 4 poles T16 - T25 & 3 poles T32 - T40)

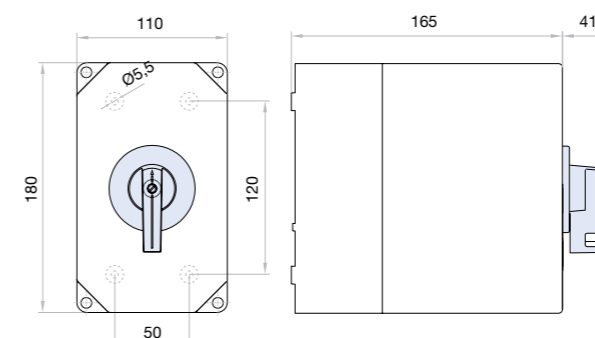


L	Pisos			
	1□	2□	3□	4□
T16 T25	72	86	100	114
T32 T40	72	100	114	-

CITR (up to 3 poles T32 - T40)



CITR (for 4 poles T32 - T40)



(in & out by cable gland - not included)

# CITR

## Enclosed changeover IP65

(plastic enclosure)  
1P up to 4P

Size 2  
A 63|100  
IP65



CITR

### Technical information



According to IEC 60947-3

According to IEC 60947-3			CITR T63	CITR T100	
Rated thermal current	Ith	A	80	125	
Rated insulation voltage	Ui	V	690	690	
Rated impulse withstand voltage	Uimp	kV	8	8	
AC rated operational current	Ie	Ue 415V AC21A	A	80	125
		Ue 415V AC22A	A	80	115
		Ue 690V AC21A	A	80	115
		Ue 690V AC22A	A	63	100
	3x240V AC23A	kW	22	30	
	3x240V AC3	kW	18,5	30	
	3x240V AC4	kW	7,5	11	
	1x240V AC3	kW	11	15	
	1x240V AC4	kW	3	4	
	3x415V AC23A	kW	37	45	
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x415V AC3	kW	30	37
		3x415V AC4	kW	11	15
		1x400V AC3	kW	18,5	18,5
		1x400V AC4	kW	5,5	7,5
	3x500V AC23A	kW	37	55	
	3x500V AC3	kW	30	45	
	3x500V AC4	kW	11	15	
	3x690V AC23A	kW	45	55	
	3x690V AC3	kW	45	45	
	3x690V AC4	kW	11	15	
Rated conditional short-circuit current		kA	15	15	
Rated maximum current	gL-gG	A	80	125	
Rated breaking capacity	400V; cos φ=0,45	A	504	640	
Rated short-time withstand current (1 sec)		A	1600	2500	
Mechanical durability (thousand of operations)			1000	1000	
Rigid copper conductor		mm <sup>2</sup>	16/25 <sup>(1)</sup>	35/50 <sup>(1)</sup>	
Flexible copper conductor		mm <sup>2</sup>	10/16 <sup>(1)</sup>	16/35 <sup>(1)</sup>	

<sup>(1)</sup> With terminals for connection (IP00)

#### Normal service conditions:

Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
 Rated frequency at AC utilization categories: 50/60 Hz.  
 Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
 Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

Series | Amp  
CITR0063  
CITR0100

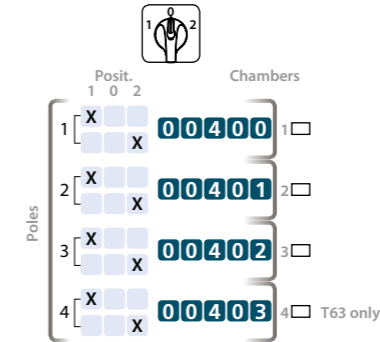


Plate and handle

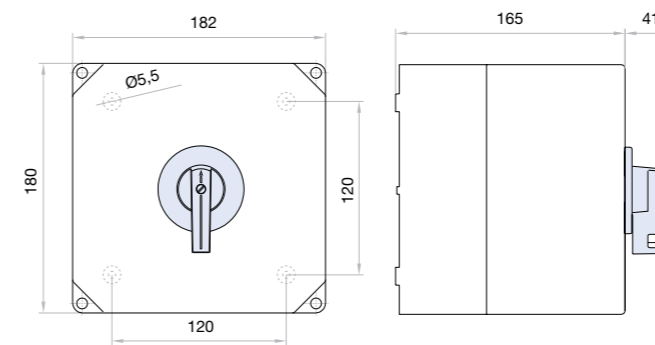


Padlockable handle  
For red/yellow handle, please consult

### Diagram



### Dimensions (mm)



(in & out by cable gland - not included)

# CITA | CTBA

## Enclosed changeover IP55

(metallic enclosure - aluminium)  
1P up to 4P

Size 0  
A 12|20|25|32



CITA CTBA

### Technical information



According to IEC 60947-3

			CITA	CITA	CTBA	CTBA	CTBA	
			T12	T20	TB20	TB25	TB32	
Rated thermal current	Ith	A	16	25	20	25	32	
Rated insulation voltage	Ui	V	500	500	500	500	500	
Rated impulse withstand voltage	Uimp	kV	6	6	6	6	6	
AC rated operational current	Ie	Ue 415V AC21A A	16	25	20	25	32	
		Ue 415V AC22A A	16	25	20	25	32	
		Ue 415V AC23A A	-	-	20	25	32	
		Ue 500V AC21A A	16	20	20	25	32	
		Ue 500V AC22A A	16	20	20	25	32	
		Ue 500V AC23A A	-	-	16	20	25	
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x240V AC23A kW	4	4	5,4	6,7	8,6	
		3x240V AC3 kW	3	4	3,7	4,6	5,9	
		3x240V AC4 kW	1,1	1,5	2,9	3,7	4,6	
		1x240V AC3 kW	1,5	2,2	2,1	2,7	4	
		1x240V AC4 kW	0,37	0,55	1	1,25	1,5	
		3x415V AC23A kW	5,5	7,5	9,3	11,7	15	
		3x415V AC3 kW	4	5,5	6,4	8	10,3	
		3x415V AC4 kW	2,2	3	3,1	3,8	5,5	
Rated conditional short-circuit current	gL-gG	400V; cos φ=0,45	A	80	100	160	200	256
		Rated short-time withstand current (1 sec)	A	240	400	240	400	500
		Mechanical durability (thousand of operations)		1000	1000	1000	1000	1000
		Rigid copper conductor	mm <sup>2</sup>	2x4	2x4	1x10 2x6	1x10 2x6	1x10 2x6
		Flexible copper conductor	mm <sup>2</sup>	2x2,5	2x2,5	1x6 2x4	1x6 2x4	1x6 2x4

#### Normal service conditions:

Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
 Rated frequency at AC utilization categories: 50/60 Hz.  
 Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
 Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

Series | Amp  
**CITA0012**  
**CITA0020**  
**CTBA0020**  
**CTBA0025**  
**CTBA0032**

Code 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

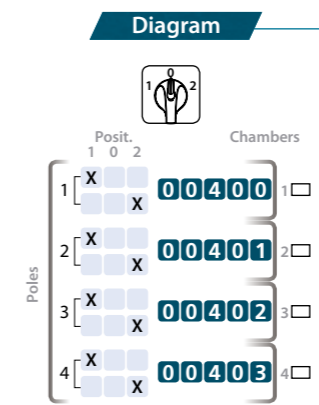
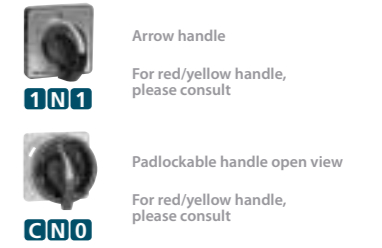
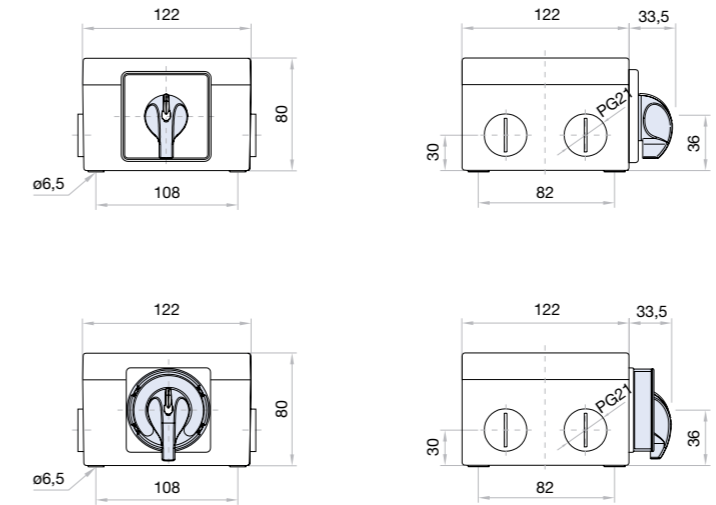


Plate and handle



### Dimensions (mm)



(in & out by cable gland - not included)

# CITA

## Enclosed changeover IP55

(metallic enclosure - aluminium)  
1P up to 4P

Size 1  
A 16|25|32|40  
IP55



CITA

### Technical information



According to IEC 60947-3

According to IEC 60947-3			CITA T16	CITA T25	CITA T32	CITA T40	
Rated thermal current	Ith	A	25	32	40	50	
Rated insulation voltage	Ui	V	690	690	690	690	
Rated impulse withstand voltage	Uimp	kV	6	6	8	8	
AC rated operational current	Ie	Ue 415V AC21A	A	25	32	40	50
		Ue 415V AC22A	A	25	32	40	50
		Ue 690V AC21A	A	25	32	40	50
		Ue 690V AC22A	A	25	25	40	40
		3x240V AC23A	kW	5,5	7,5	11	15
		3x240V AC3	kW	5,5	5,5	7,5	11
		3x240V AC4	kW	2,2	3	4	4
		1x240V AC3	kW	3	4	5,5	5,5
AC rated operational power	Pe	1x240V AC4	kW	0,75	1,1	1,5	2,2
		3x415V AC23A	kW	11	11	15	18,5
		3x415V AC3	kW	7,5	7,5	11	15
		3x415V AC4	kW	4	5,5	5,5	7,5
		1x400V AC3	kW	4	5,5	7,5	7,5
		1x400V AC4	kW	1,5	1,5	2,2	3
		3x500V AC23A	kW	11	11	15	18,5
		3x500V AC3	kW	7,5	11	11	15
		3x500V AC4	kW	4	5,5	5,5	7,5
		3x690V AC23A	kW	11	15	18,5	30
		3x690V AC3	kW	7,5	11	15	22
		3x690V AC4	kW	4	5,5	5,5	7,5
Rated conditional short-circuit current		kA	10	10	10	10	
Rated maximum current	gL-gG	A	32	32	50	50	
Rated breaking capacity	400V; cos φ=0,45	A	160	200	256	320	
Rated short-time withstand current (1 sec)		A	500	650	725	800	
Mechanical durability (thousand of operations)			1000	1000	1000	1000	
Rigid copper conductor		mm <sup>2</sup>	2x6	2x6	2x10	2x10	
Flexible copper conductor		mm <sup>2</sup>	2x4	2x4	2x6	2x6	

#### Normal service conditions:

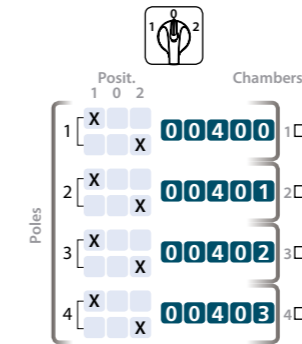
Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
Rated frequency at AC utilization categories: 50/60 Hz.  
Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.



#### Series | Amp

- CITA0016
- CITA0025
- CITA0032
- CITA0040

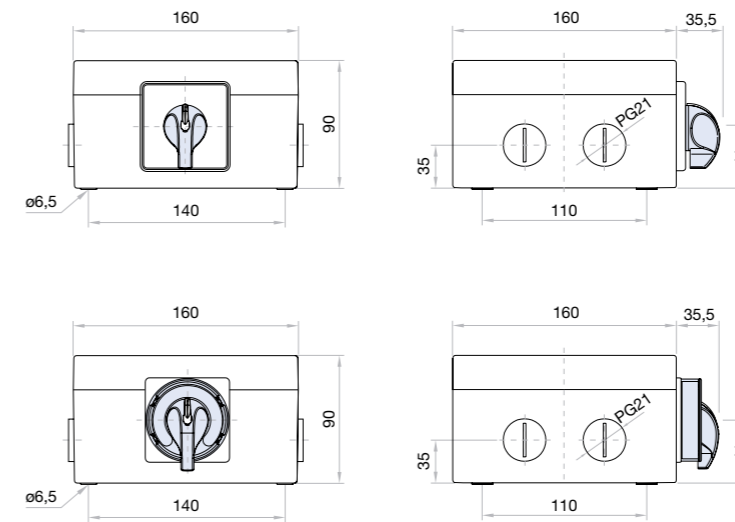
#### Diagram



#### Plate and handle

- Arrow handle  
1N1 For red/yellow handle, please consult
- Padlockable handle open view  
CNO For red/yellow handle, please consult

### Dimensions (mm)



(in & out by cable gland - not included)

# CITA | CITC

## Enclosed changeover IP55

(metallic enclosure - aluminium - cast iron with door)  
1P up to 4P

Size 2  
A 50|63|80|100|125|175



CITA

CITC

### Technical information



According to IEC 60947-3

According to IEC 60947-3			CITA T50	CITA T63	CITA T80	CITC T100	CITC T125	CITC T175	
Rated thermal current	Ith	A	63	80	80	125	125	200	
Rated insulation voltage	Ui	V	690	690	690	690	690	1000	
Rated impulse withstand voltage	Uimp	kV	8	8	8	8	8	8	
AC rated operational current	Ie	Ue 415V AC21A	A	63	80	80	125	125	200
		Ue 415V AC22A	A	63	80	80	115	115	200
		Ue 690V AC21A	A	63	80	80	115	115	175
		Ue 690V AC22A	A	63	63	63	100	100	160
		3x240V AC23A	kW	18,5	22	22	30	30	55
		3x240V AC3	kW	15	18,5	18,5	30	30	37
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x240V AC4	kW	5,5	7,5	7,5	11	11	15
		1x240V AC3	kW	7,5	11	11	15	15	18,5
		1x240V AC4	kW	3	3	3	4	4	5,5
		3x415V AC23A	kW	30	37	37	45	45	90
		3x415V AC3	kW	22	30	30	37	37	75
		3x415V AC4	kW	11	11	11	15	15	18,5
		1x400V AC3	kW	15	18,5	18,5	18,5	18,5	20
		1x400V AC4	kW	4	5,5	5,5	7,5	7,5	11
		3x500V AC23A	kW	30	37	37	55	55	110
		3x500V AC3	kW	22	30	30	45	45	75
		3x500V AC4	kW	11	11	11	15	15	18,5
		3x690V AC23A	kW	37	45	45	55	55	75
3x690V AC3	kW	37	45	45	45	45	55		
3x690V AC4	kW	11	11	11	15	15	18,5		
Rated conditional short-circuit current		kA	15	15	15	15	15	15 <sup>(*)</sup>	
Rated maximum current	gL-gG	A	80	80	80	125	125	160	
Rated breaking capacity	400V; cos φ=0,45	A	504	504	504	640	640	1600	
Rated short-time withstand current (1 sec)		A	1600	1600	1600	2500	2500	3500	
Mechanical durability (thousand of operations)			1000	1000	1000	1000	1000	1000	
Rigid copper conductor		mm <sup>2</sup>	16/25 <sup>(**)</sup>	16/25 <sup>(**)</sup>	16/25 <sup>(**)</sup>	35/50 <sup>(**)</sup>	35/50 <sup>(**)</sup>	95	
Flexible copper conductor		mm <sup>2</sup>	10/16 <sup>(**)</sup>	10/16 <sup>(**)</sup>	10/16 <sup>(**)</sup>	16/35 <sup>(**)</sup>	16/35 <sup>(**)</sup>	95	

\*<sup>(1)</sup> With terminals for connection

\*<sup>(2)</sup> Mounting without connection terminals or terminals + phase barriers

#### Normal service conditions:

Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).

Rated frequency at AC utilization categories: 50/60 Hz.

Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.

Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

Code 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Series | Amp

CITA0050  
CITA0063  
CITA0080  
CITC0100  
CITC0125  
CITC0175

Diagram

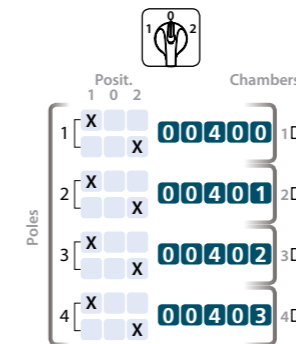


Plate and handle



Arrow handle

1N1

For red/yellow handle, please consult

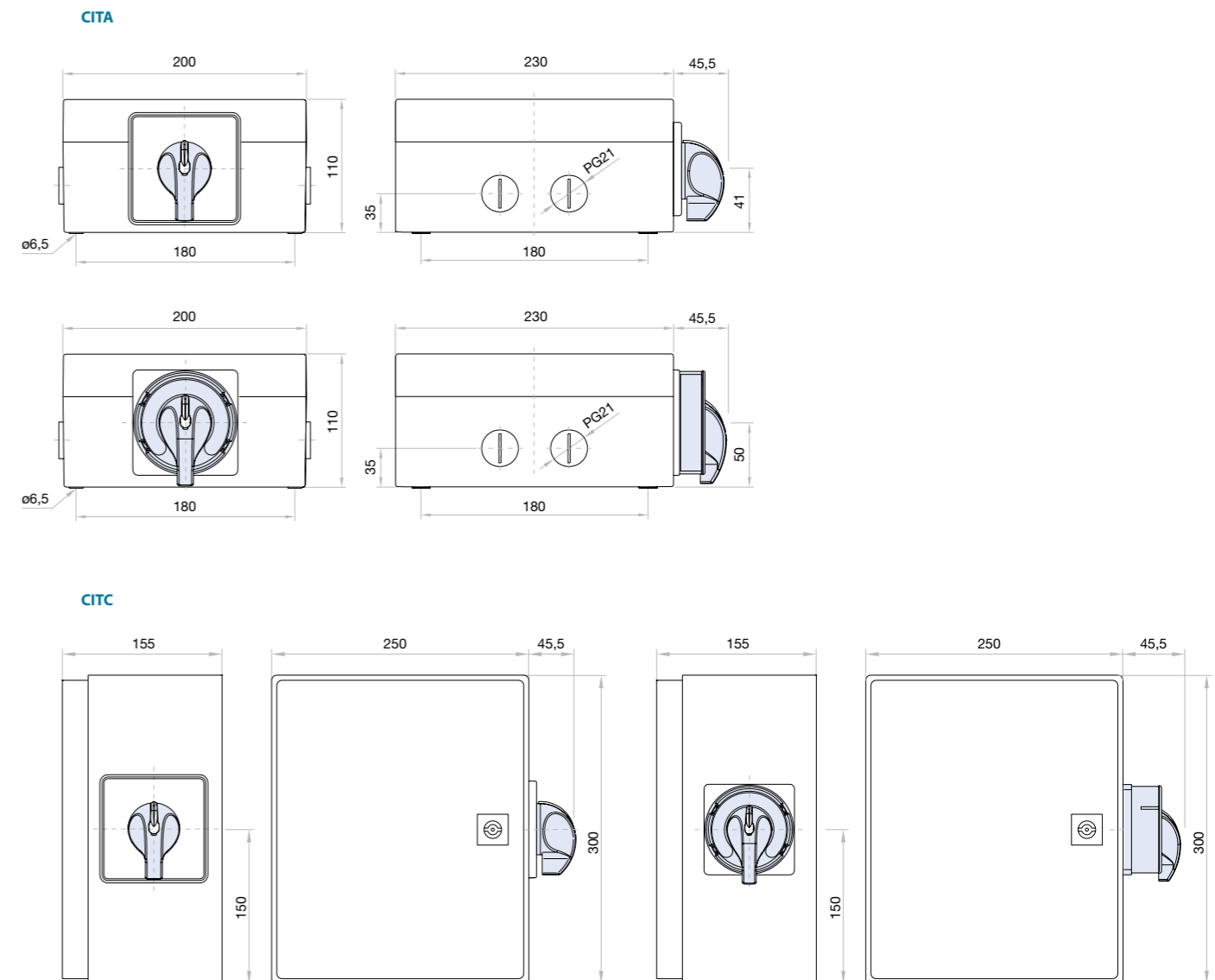


Padlockable handle open view

CN0

For red/yellow handle, please consult

### Dimensions (mm)



(in & out by cable gland - not included)

# CITC Enclosed changeover IP55

(metallic enclosure - cast iron with door)  
1P up to 4P



CITC

Size 3  
A 200|250|315  
IP55

## Technical information



According to IEC 60947-3

According to IEC 60947-3			CITC T200	CITC T250	CITC T315	
Rated thermal current	Ith	A	200	250	315	
Rated insulation voltage	Ui	V	690	690	690	
Rated impulse withstand voltage	Uimp	kV	8	8	8	
AC rated operational current	Ie	Ue 415V AC21A	A	200	250	315
		Ue 415V AC22A	A	200	250	315
		Ue 690V AC21A	A	200	220	250
		Ue 690V AC22A	A	200	200	200
		3x240V AC23A	kW	55	67	75
		3x240V AC3	kW	45	54	61
		3x240V AC4	kW	15	18	20
		1x240V AC3	kW	22	22	22
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	1x240V AC4	kW	7,5	9	10
		3x415V AC23A	kW	90	115	130
		3x415V AC3	kW	75	95	108
		3x415V AC4	kW	22	28	31
		1x400V AC3	kW	37	47	53
		1x400V AC4	kW	11	14	16
		3x500V AC23A	kW	110	130	145
		3x500V AC3	kW	90	106	118
		3x500V AC4	kW	22	26	29
		3x690V AC23A	kW	132	155	175
		3x690V AC3	kW	110	129	145
		3x690V AC4	kW	22	25	29
Rated conditional short-circuit current		kA	25	15	15	
Rated maximum current	gL-gG	A	200	250	315	
Rated breaking capacity	400V; cos φ=0,45	A	1450	2000	2240	
Rated short-time withstand current (1 sec)		A	4400	4400	4400	
Mechanical durability (thousand of operations)			1000	1000	1000	
Rigid copper conductor		mm <sup>2</sup>	95	120	185	
Flexible copper conductor		mm <sup>2</sup>	95	120	185	

### Normal service conditions:

Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications).  
Rated frequency at AC utilization categories: 50/60 Hz.  
Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.  
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.

Code 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Series | Amp

CITC0200  
CITC0250  
CITC0315

Diagram

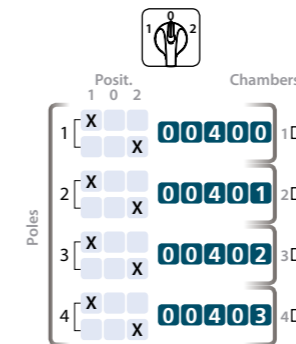


Plate and handle



Arrow handle

1N1

For red/yellow handle, please consult

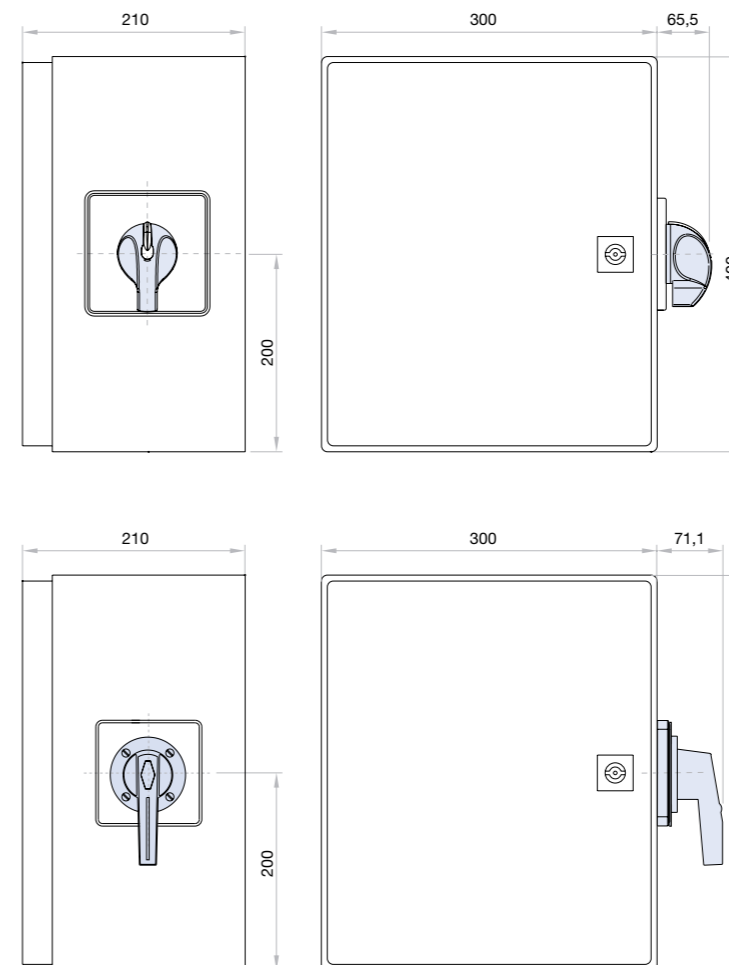


Padlockable handle

NN1

For red/yellow handle, please consult

## Dimensions (mm)



(in & out by cable gland - not included)



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» **MAINTENANCE RECOMMENDATIONS:**

Electrical installations and their components should be periodically inspected to check they are in good condition. Operability of switches should be checked after an incident, during maintenance or due to ageing.

Tightening torque of electrical connections should be revised as vibrations in the environment and electrical conductivity may loose them affecting to the performance and durability of all components as well.

Not performing preventive maintenance may damage and spoil parts, systems and machines. Moreover it can also cause accidents and injure people.

Before working on equipment or components which may be electrically live, the appropriate safety cautions must be taken by operators, end-users or other staff. Right personal protective equipment (e.g. safety clothes, gloves, goggles, helmet, insulating footwear) should be used, and the appropriate tools for the operation. At the same time, caution measures should be taken to prevent damages to third parties such as warning signs, barriers, mechanical locks, etc.

Prior to use any protective equipment or tools, they must be checked to be in good condition.

Maintenance or repair works should be performed in areas not electrically live by qualified and authorized staff following the applicable regulations and good practices.

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Telergon, S.A.U.  
Ctra. Castellón (Pol. La Cartuja)  
ES-50720 La Cartuja Baja  
Zaragoza / Spain

Tel.: + 34 976 50 08 76  
Fax: + 34 976 50 03 14

E-mail: [comercial@telergon.es](mailto:comercial@telergon.es)  
[www.telergon.com](http://www.telergon.com)

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