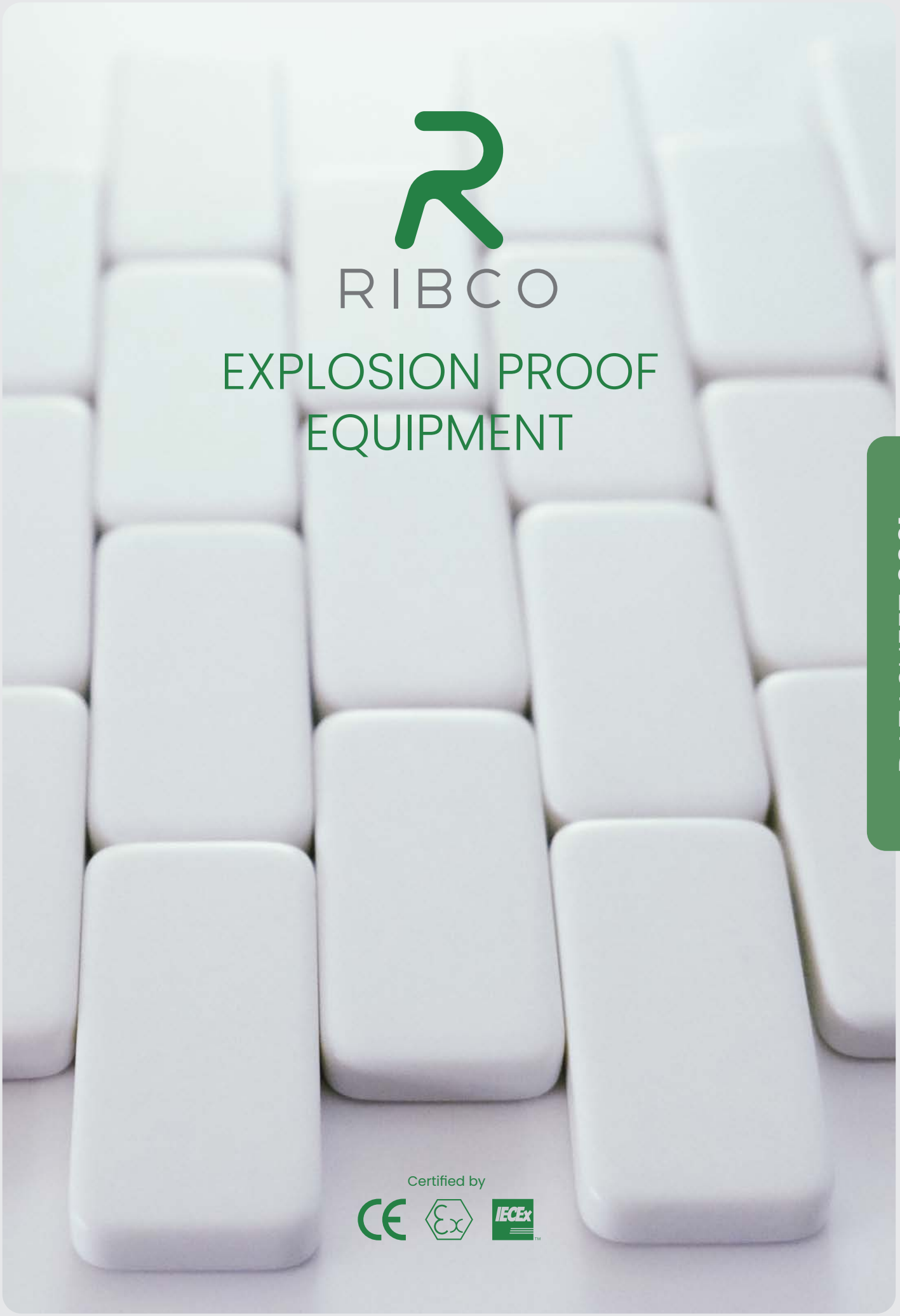
RIBCO

EXPLOSION PROOF EQUIPMENT

DATASHEET 2021



Certified by

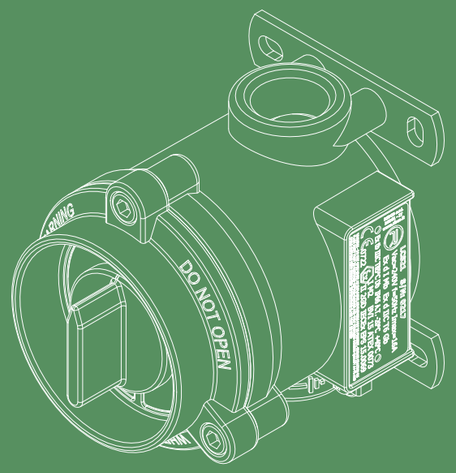
www.ribco.it

Switches

Rotary cam switches series LCS are available in three different sizes depending on the current and dimension on the electrical rotary switch used.
Suitable for classified hazardous area Zone 1 & Zone 2.

Standard material si Stainless Steel AISI 316L withput any external coating.
They have excellent mechanical and corrosion resistance.
Ceritified also for mines group I M2.

All products are certified:



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2021 REV.01

SWITCHES

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LCS 21 / 251

- Rotary cam switch up to 20A.
- Different type of switch, on-off, deviator, etc.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT

ISO 262 thread: M25x1.5

Degree of protection: IP66

External painting: no painting

Max rated voltage: 690Vac

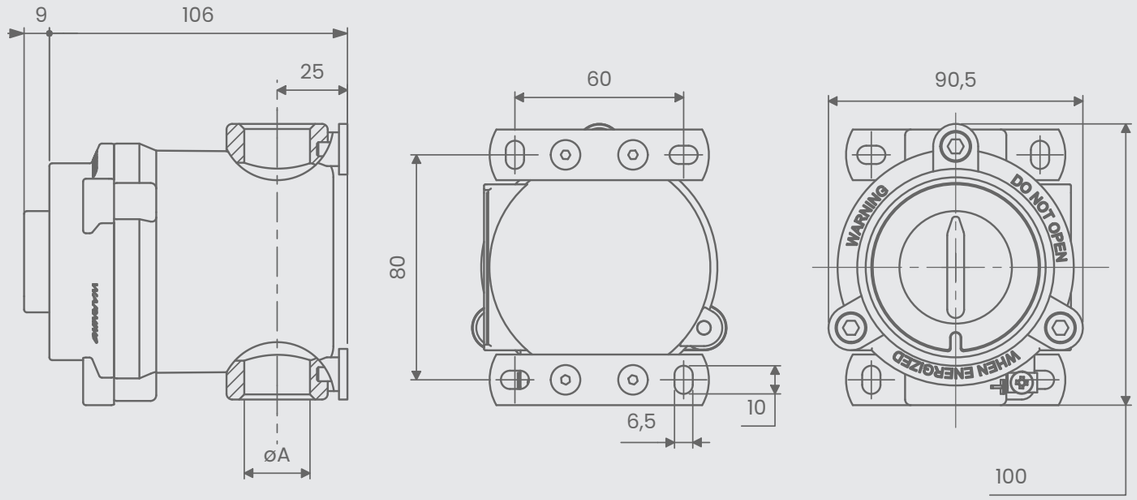
AC1 max current value: 20A

Cable section: 1,5 ÷ 2,5 mmq

Nominal frequency: 50/60Hz

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS251	M25x1.5 - 6H
LCS21	3/4" NPT

ORDER CODING		
Code		**Electrical Contact**
LCS251 or **LCS21**	+	See table 9-1

Example: LCS21-K1012

LCS 21L / 251L

- Rotary cam switch up to 20A.
- Different type of switch, on-off, deviator, etc.
- Lockable knob operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT

ISO 262 thread: M25x1.5

Degree of protection: IP66

External painting: no painting

Max rated voltage: 690Vac

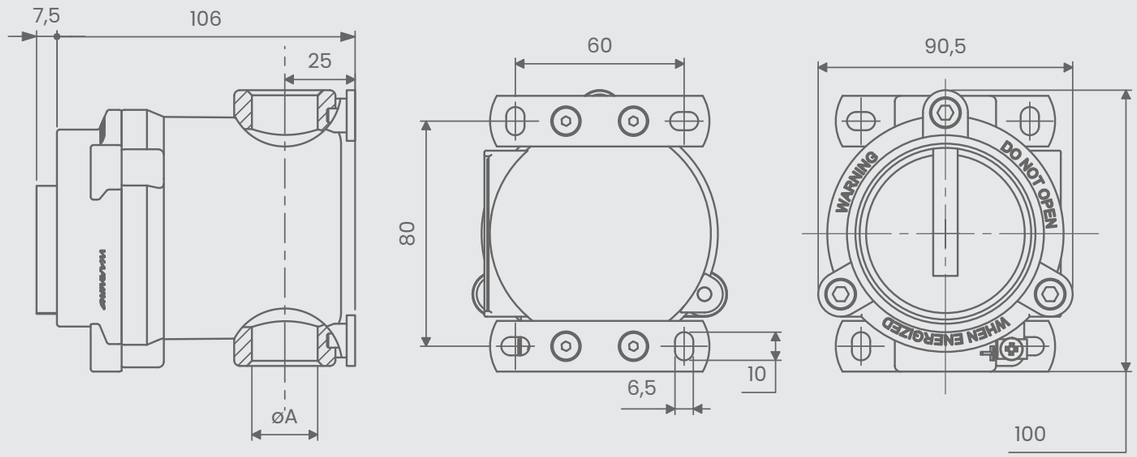
AC1 max current value: 20A

Cable section: 1,5 ÷ 2,5 mmq

Nominal frequency: 50/60Hz

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS251L	M25x1.5 - 6H
LCS21L	3/4" NPT

ORDER CODING				
Code		**Knob Color**		**Electrical contact**
LCS251L	+	● BK	+	See Table 9-1
LCS21L		● RD		

Example: LCS21L-K1012

LCS 21Y / 251Y

- Rotary cam switch up to 20A.
- Different type of switch, on-off, deviator, etc.
- Key YALE

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT

ISO 262 thread: M25x1.5

Degree of protection: IP66

External painting: no painting

Max rated voltage: 690Vac

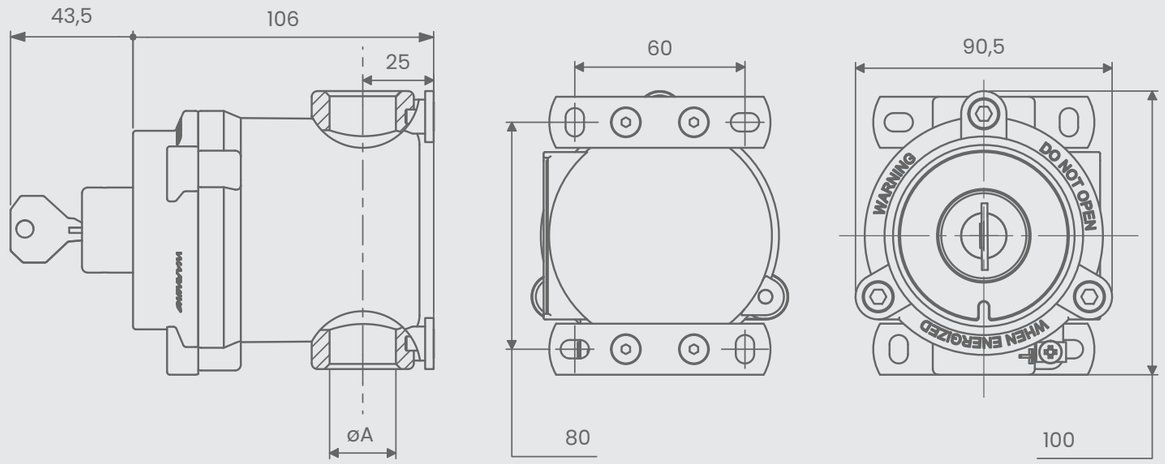
AC1 max current value: 20A

Cable section: 1,5 ÷ 2,5 mmq

Nominal frequency: 50/60Hz

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS251Y	M25x1.5 - 6H
LCS21Y	3/4" NPT

ORDER CODING				
Code		**Key code**		**Electrical contact**
LCS251Y	+	A - 3103 B - 3108	+	See Table 9-1
LCS21Y		C - 3108		

Example: LCS21Y-K1012

LCS 21H / 251H

- Rotary cam switch up to 20A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with triangle key.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT

ISO 262 thread: M25x1.5

Degree of protection: IP66

External painting: no painting

Max rated voltage: 690Vac

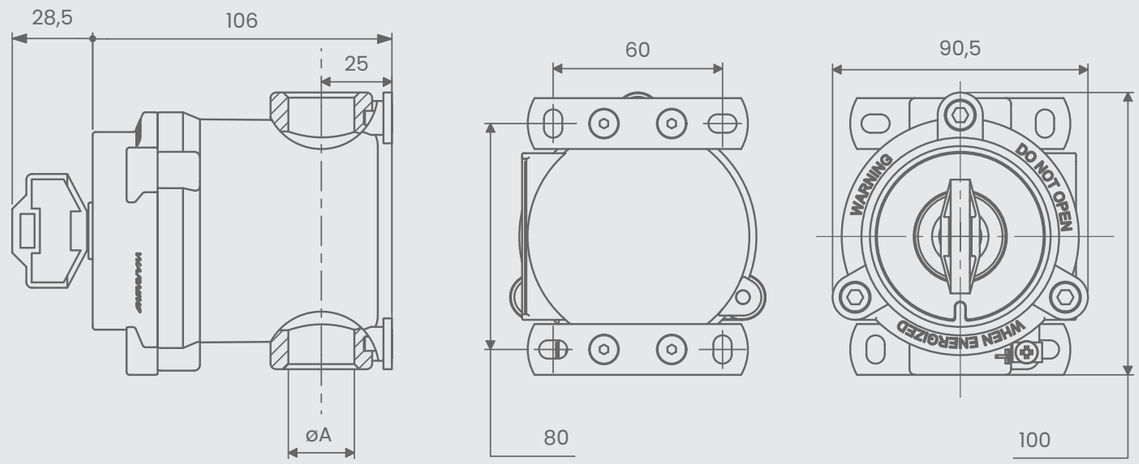
AC1 max current value: 20A

Cable section: 1,5 ÷ 2,5 mmq

Nominal frequency: 50/60Hz

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069

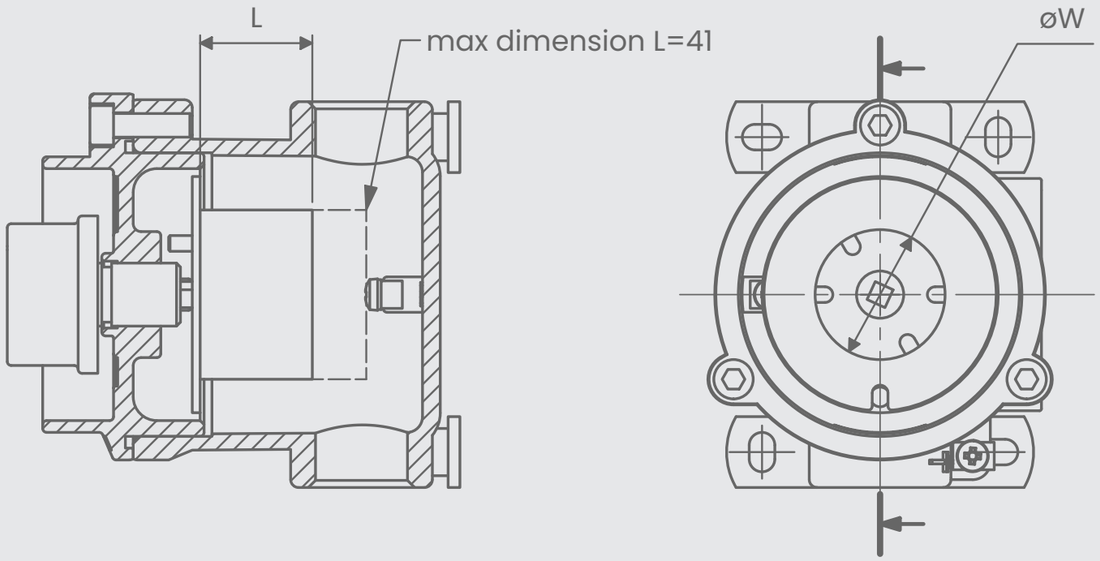


Code	ØA
LCS251H	M25x1.5 - 6H
LCS21H	3/4" NPT

ORDER CODING		
Code		Electrical Contact
LCS251H or **LCS21H**	+	See table 9-1

Example: LCS21H-K1012

ROTATIVE ELECTRICAL CONTACT - Table 9-1



Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K1001	1	16	1.5	60°	2 x 1.5÷2.5	43	29,5	0-1 | ON/OFF
K2001	1	20	2.2	60°	2 x 1.5÷2.5	43	29,5	0-1 | ON/OFF
K1002	2	16	1.5	60°	2 x 1.5÷2.5	43	29,5	0-1 | ON/OFF
K2002	2	20	2.2	60°	2 x 1.5÷2.5	43	29,5	0-1 | ON/OFF
K1003	3	16	2.2	60°	2 x 1.5÷2.5	43	29,5	0-1 | ON/OFF
K2003	3	20	4	60°	2 x 1.5÷2.5	43	29,5	0-1 | ON/OFF
K1004	4	16	2.2	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K2004	4	20	4	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K3004	4	25	5.5	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K1011	1	16	1.5	60°	2 x 1.5÷2.5	43	29,5	1-0-2 MAINS TRANSFER
K2011	1	20	2.2	60°	2 x 1.5÷2.5	43	29,5	1-0-2 MAINS TRANSFER
K3011	1	25	3	60°	2 x 1.5÷2.5	43	29,5	1-0-2 MAINS TRANSFER

LCS 1

Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K1012	2	16	1.5	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K2012	2	20	2.2	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K3012	2	25	3	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K1013	3	16	2.2	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K2013	3	20	4	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K3013	3	25	5.5	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K1014	4	16	2.2	60°	2 x 1.5÷2.5	43	53,5	1-0-2 MAINS TRANSFER
K2014	4	20	4	60°	2 x 1.5÷2.5	43	53,5	1-0-2 MAINS TRANSFER
K3014	4	25	5.5	60°	2 x 1.5÷2.5	43	53,5	1-0-2 MAINS TRANSFER
K1021	1	16	1.5	60°	2 x 1.5÷2.5	43	29,5	1-2 | CHANGE OVER
K2021	1	20	2.2	60°	2 x 1.5÷2.5	43	29,5	1-2 | CHANGE OVER
K3021	1	25	3	60°	2 x 1.5÷2.5	43	29,5	1-2 | CHANGE OVER
K1022	2	16	1.5	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K2022	2	20	2.2	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K3022	2	25	3	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K1023	3	16	2.2	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K2023	3	20	4	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K3023	3	25	5.5	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER

LCS 23 / 33 / 253 / 323

- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with knob operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

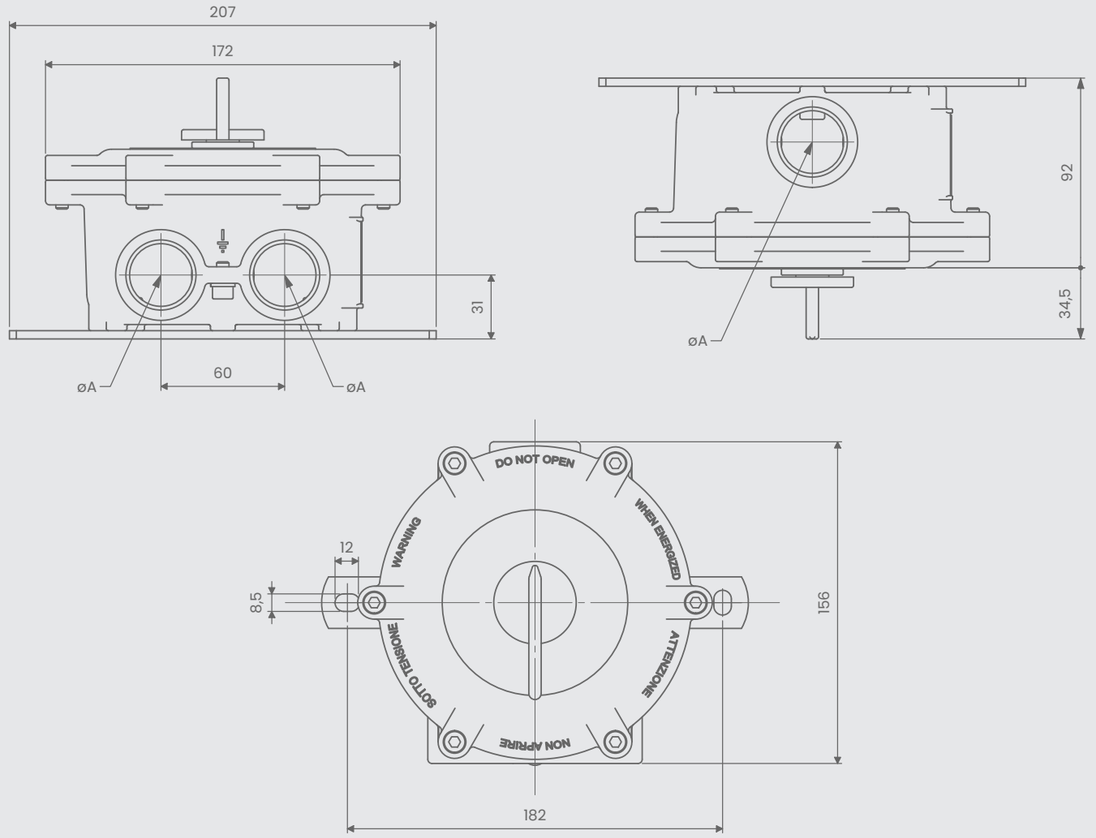
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



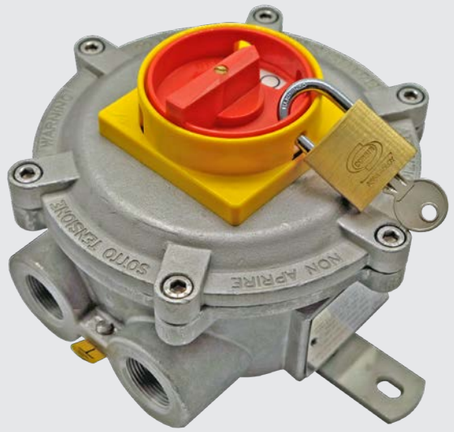
Code	ØA
LCS23	3/4" NPT
LCS33	1" NPT
LCS253	M25x1.5 - 6H
LCS323	M32x1.5 - 6H

ORDER CODING		
Code		**Electrical Contact**
LCS23 **LCS33** **LCS253** **LCS323**	+	See table 9-2

Example: LCS23-K1012

LCS 23L / 33L / 253L / 323L

- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with lockabke knob operator.



Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

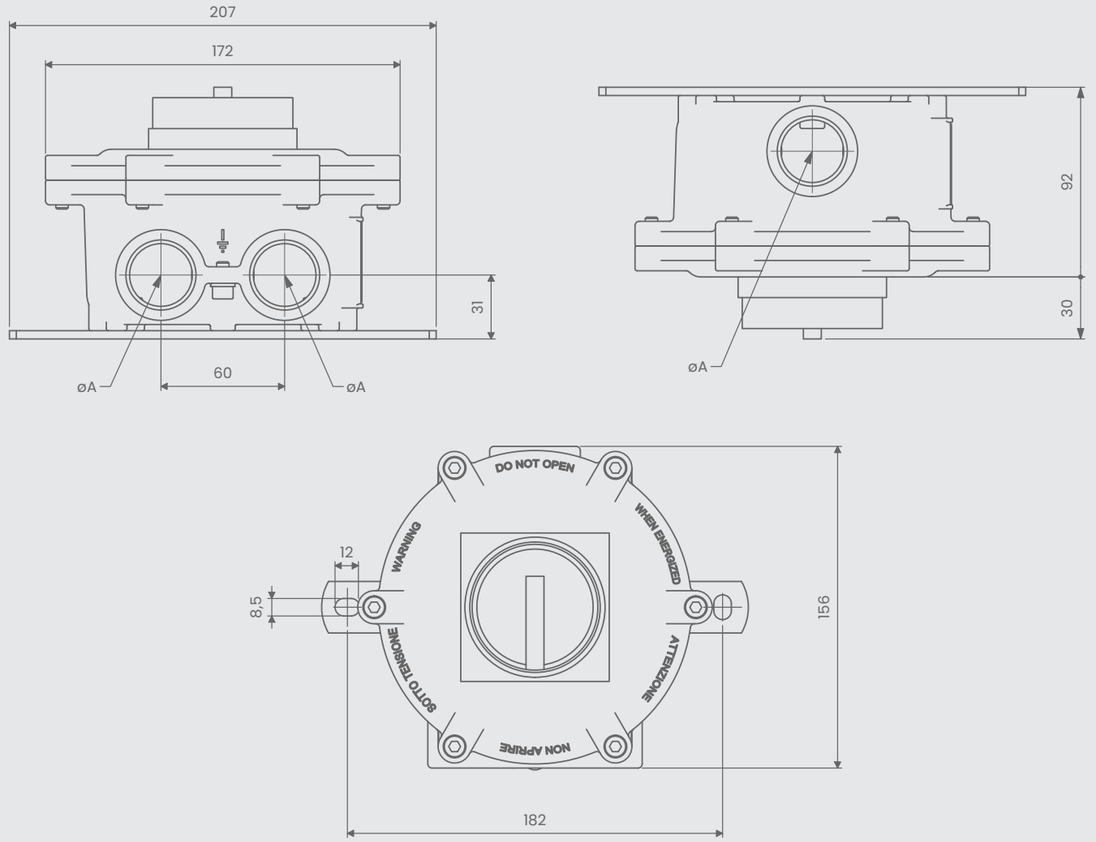
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS23L	3/4" NPT
LCS33L	1" NPT
LCS253L	M25x1.5 - 6H
LCS323L	M32x1.5 - 6H

ORDER CODING						
Code		Knob Color		Quadrant Color		Electrical contact
LCS23L **LCS33L** **LCS253L** **LCS323L**	+	BK ● RD ●	+	Y ● G ●	+	See Table 9-2

Example: LCS23L-K1012

LCS 23Y / 33Y / 253Y / 323Y

- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with YALE key operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

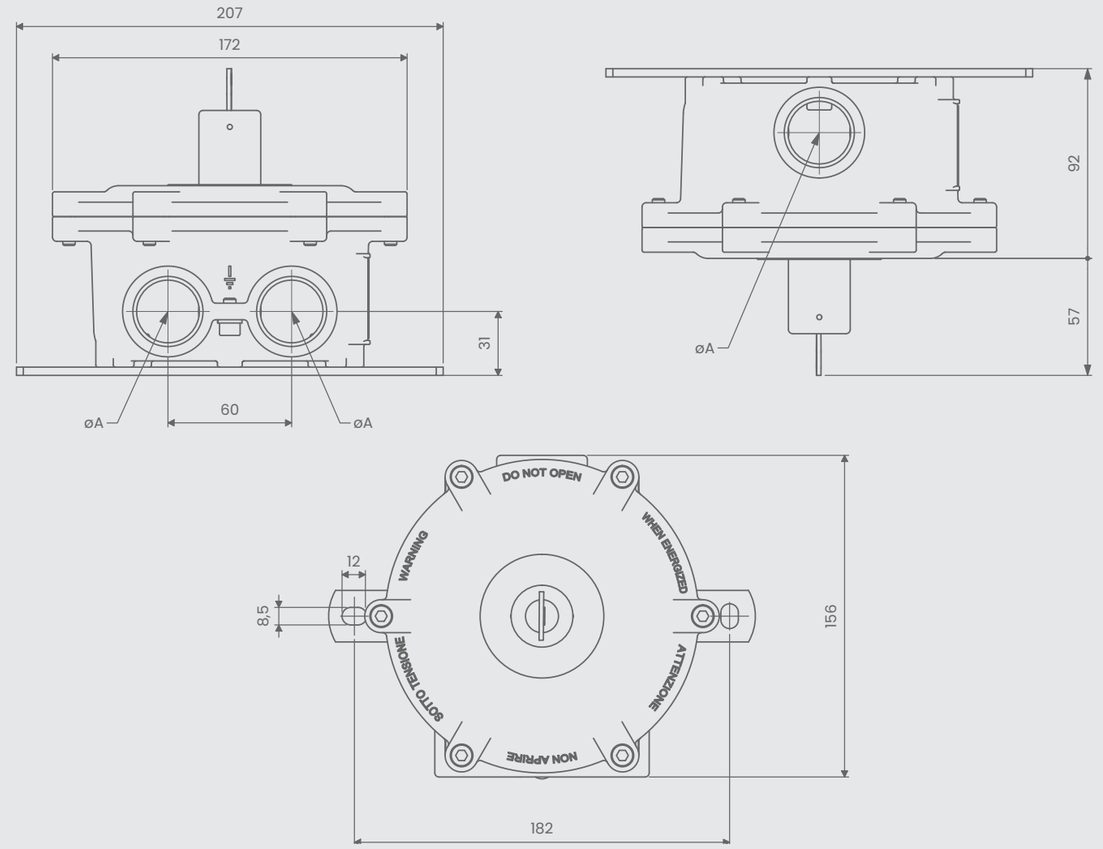
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS23Y	3/4" NPT
LCS33Y	1" NPT
LCS253Y	M25x1.5 - 6H
LCS323Y	M32x1.5 - 6H

ORDER CODING				
Code		Key code		Electrical contact
LCS23Y **LCS33Y** **LCS253Y** **LCS323Y**	+	A - 3103 B - 3108 C - 3108	+	See Table 9-2

Example: LCS23Y-K1012

LCS 23H / 33H / 253H / 323H

- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with triangle key operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

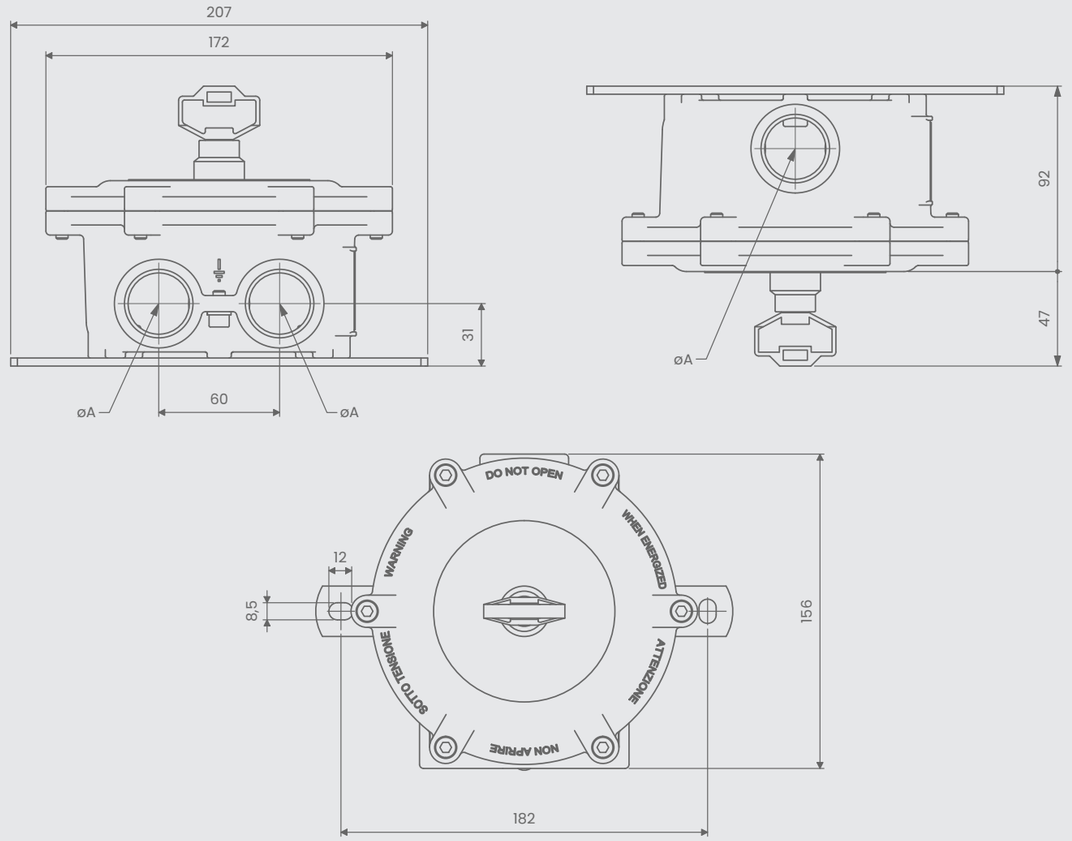
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069

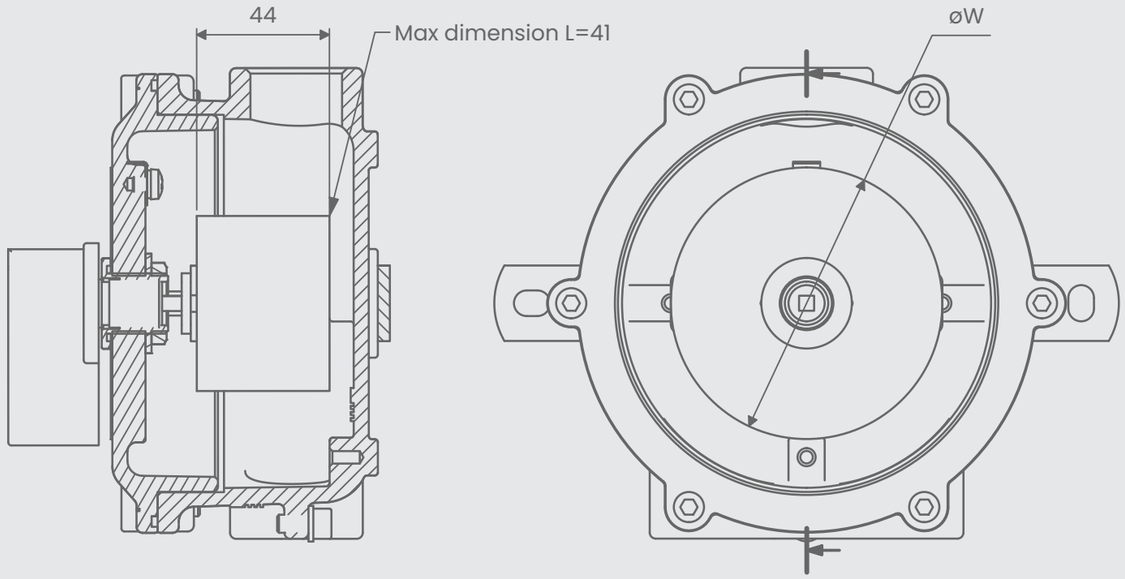


Code	ØA
LCS23H	3/4" NPT
LCS33H	1" NPT
LCS253H	M25x1.5 - 6H
LCS323H	M32x1.5 - 6H

ORDER CODING		
Code		Electrical Contact
LCS23H **LCS33H** **LCS253H** **LCS323H**	+	See table 9-2

Example: LCS23H-K1012

ROTATIVE ELECTRICAL CONTACT - Table 9-2



Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K1001	1	16	1.5	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K2001	1	20	2.2	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K3001	1	25	3	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K4001	1	32	4	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K5001	1	36	5.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K6001	1	40	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K7001	1	40	7.5	60°	2 x 6÷16	58	29.5	0-1 | ON/OFF
K1002	2	16	1.5	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K2002	2	20	2.2	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K3002	2	25	3	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K4002	2	32	4	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K5002	2	36	5.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF

Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K6002	2	40	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K7002	2	40	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K1003	3	16	2.2	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K2003	3	20	4	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K3003	3	25	5.5	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K4003	3	32	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K5003	3	36	11	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K6003	3	40	15	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K7003	3	40	15	60°	2 x 6÷16	58	29.5	0-1 | ON/OFF
K1004	4	16	2.2	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K2004	4	20	4	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K3004	4	25	5.5	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K4004	4	32	7.5	60°	2 x 2.5÷4	58	41	0-1 | ON/OFF
K5004	4	36	11	60°	2 x 2.5÷4	58	41	0-1 | ON/OFF
K6004	4	40	15	60°	2 x 2.5÷4	58	41	0-1 | ON/OFF
K1011	1	16	1.5	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K2011	1	20	2.2	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K3011	1	25	3	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K4011	1	32	4	60°	2 x 2.5÷4	58	29.5	1-0-2 MAINS TRANSFER
K5011	1	36	5.5	60°	2 x 2.5÷4	58	29.5	1-0-2 MAINS TRANSFER
K6011	1	40	7.5	60°	2 x 2.5÷4	58	29.5	1-0-2 MAINS TRANSFER
K1012	2	16	1.5	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K2012	2	20	2.2	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K3012	2	25	3	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K4012	2	32	4	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K5012	2	36	5.5	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K6012	2	40	7.5	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K1013	3	16	2.2	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K2013	3	20	4	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K3013	3	25	5.5	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K4013	3	32	7.5	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K5013	3	36	11	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K6013	3	40	15	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER

LCS 3

ROTATIVE ELECTRICAL CONTACT - Table 9-2

Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K1021	1	16	1.5	60°	2 x 1.5÷2.5	43	29.5	1-2 | CHANGE OVER
K2021	1	20	2.2	60°	2 x 1.5÷2.5	43	29.5	1-2 | CHANGE OVER
K3021	1	25	3	60°	2 x 1.5÷2.5	43	29.5	1-2 | CHANGE OVER
K4021	1	32	4	60°	2 x 2.5÷4	58	29.5	1-2 | CHANGE OVER
K5021	1	36	5.5	60°	2 x 2.5÷4	58	29.5	1-2 | CHANGE OVER
K6021	1	40	7.5	60°	2 x 2.5÷4	58	29.5	1-2 | CHANGE OVER
K1022	2	16	1.5	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K2022	2	20	2.2	60°	2 x 1.5÷2.5	42	41	1-2 | CHANGE OVER
K3022	2	25	3	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K4022	2	32	4	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K5022	2	36	5.5	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K6022	2	40	7.5	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K1023	3	16	2.2	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K2023	3	20	4	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K3023	3	25	5.5	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K4023	3	32	7.5	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K5023	3	36	11	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K6023	3	40	15	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER

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LCS 23A / 33A / 253A / 323A

- The switch series LCS 3A can also include terminal strips model type as indicated in the table.
- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with knob operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

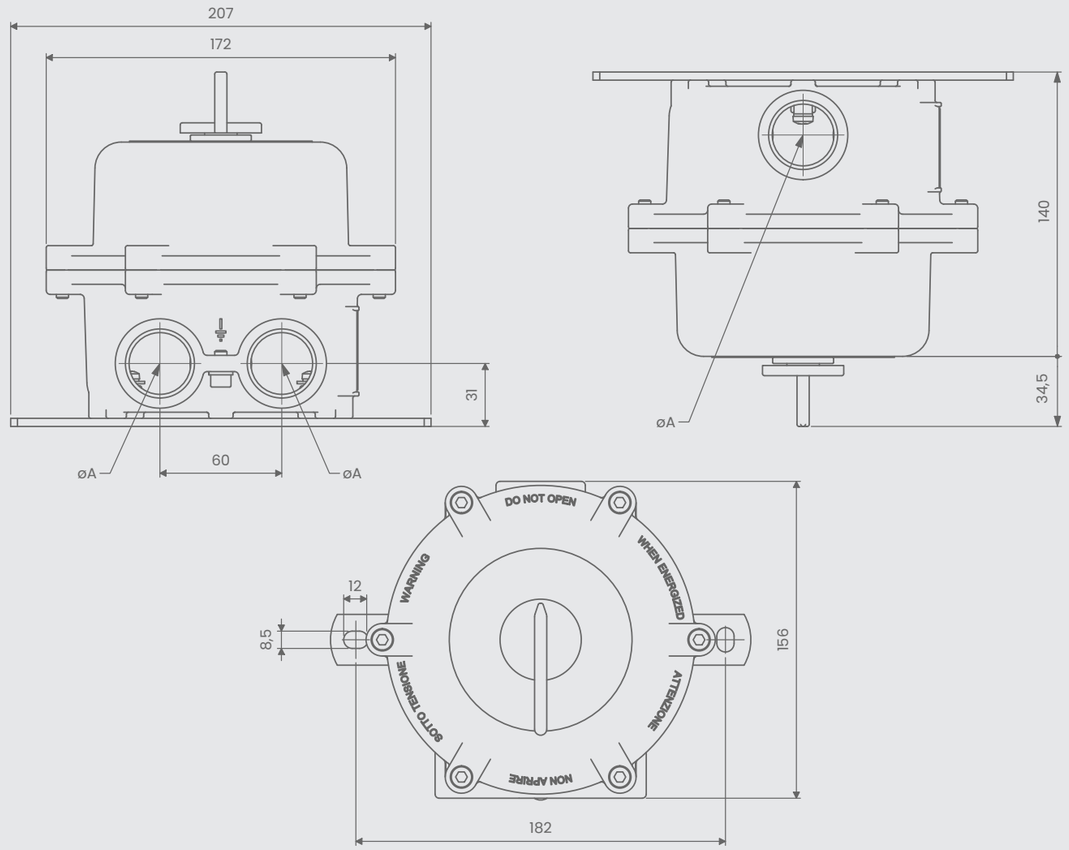
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS23A	3/4" NPT
LCS33A	1" NPT
LCS253A	M25x1.5 - 6H
LCS323A	M32x1.5 - 6H

ORDER CODING		
Code		Electrical Contact
LCS23A **LCS33A** **LCS253A** **LCS323A**	+	See table 9-3

Example: LCS23A-K1012

LCS 23AL / 33AL / 253AL / 323AL

- The switch series LCS 3A can also include terminal strips model type as indicated in the table.
- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with lockable knob operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

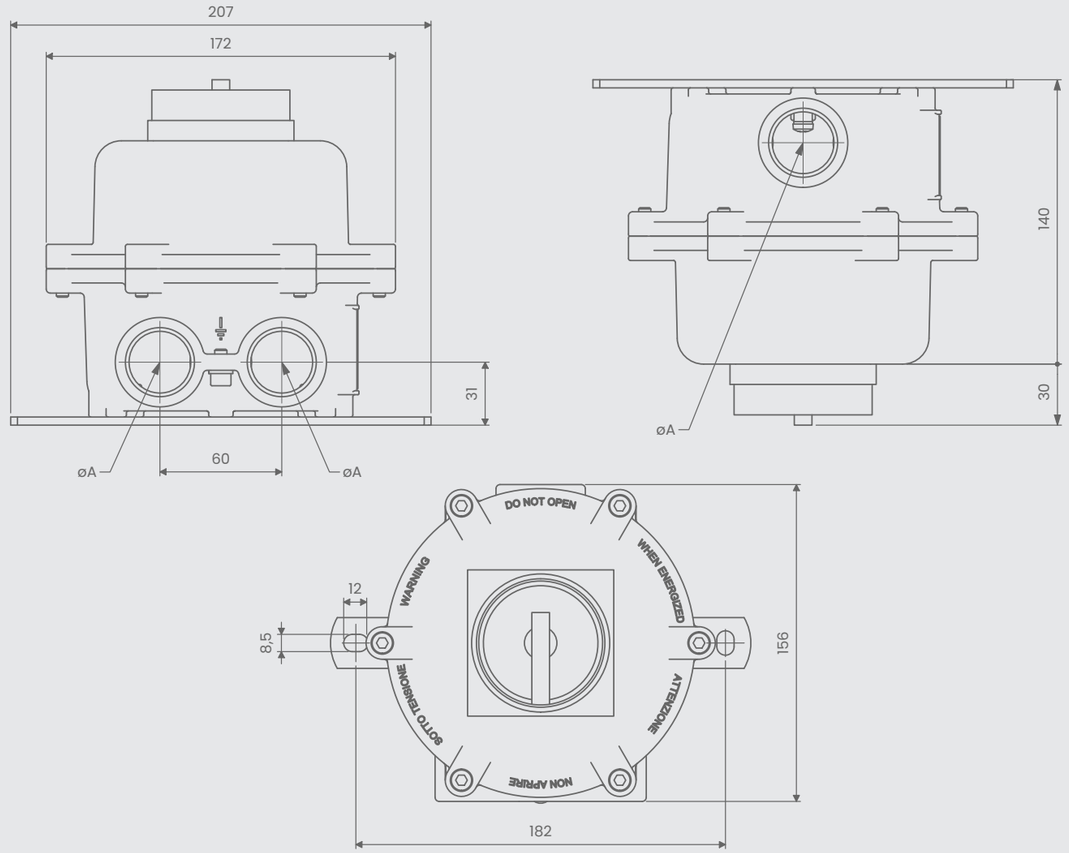
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS23AL	3/4" NPT
LCS33AL	1" NPT
LCS253AL	M25x1.5 - 6H
LCS323AL	M32x1.5 - 6H

ORDER CODING						
Code		Knob Color		Quadrant Color		Electrical contact
LCS23AL **LCS33AL** **LCS25A3L** **LCS323AL**	+	BK ● RD ●	+	Y ● G ●	+	See Table 9-3

Example: LCS23AL-K1012

LCS 23AY / 33AY / 253AY / 323AY

- The switch series LCS 3A can also include terminal strips model type as indicated in the table.
- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with Yale key operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

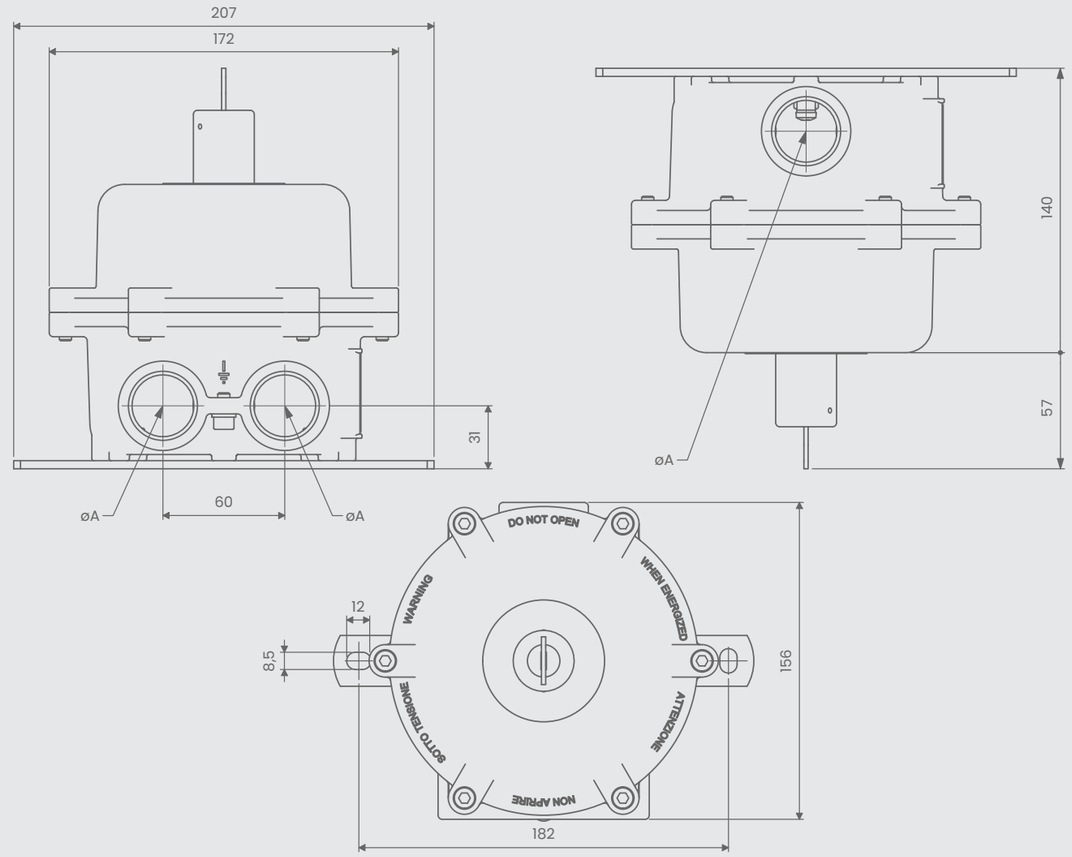
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069



Code	ØA
LCS23AY	3/4" NPT
LCS33AY	1" NPT
LCS253AY	M25x1.5 - 6H
LCS323AY	M32x1.5 - 6H

ORDER CODING				
Code		**Key code**		**Electrical contact**
LCS23AY		A - 3103		
LCS33AY	+	B - 3108	+	See Table 9-3
LCS253AY		C - 3108		
LCS323AY				

Example: LCS23AY-K1012

LCS 23AH / 33AH / 253AH / 323AH

- The switch series LCS 3A can also include terminal strips model type as indicated in the table.
- Rotary cam switch up to 40A.
- Different type of switch, on-off, deviator, etc.
- Rotary cam switch with triangle key operator.

Features

Material used: Stainless steel AISI 316L

Max Amb. Temperature: from -50°C up to 80°C

NPT thread: 3/4" NPT or 1"

ISO 262 thread: M25x1.5 or M32x1.5

Degree of protection: IP66

Max rated voltage: 690Vac

AC1 max current value: 40A

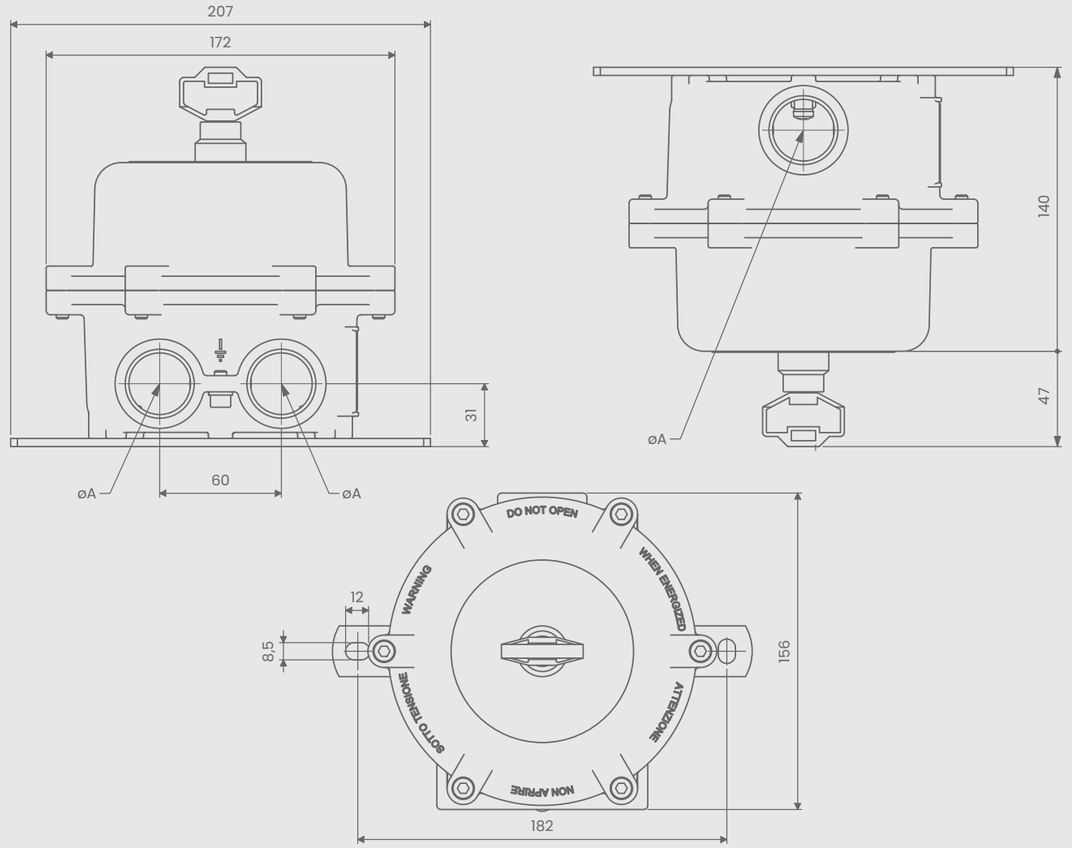
Cable section: 1,5 ÷ 16 mmq

Nominal frequency: 50/60Hz

External painting: no painting

ATEX & IECEx Equipment Data		
Gas	Group I Zone 1	Ex d I Mb Ex d IIC T6 Gb
Dust	Group II Zone 21	Ex tb IIIC T85°C Db IP66
		Tamb: -20°C ÷ +40°C

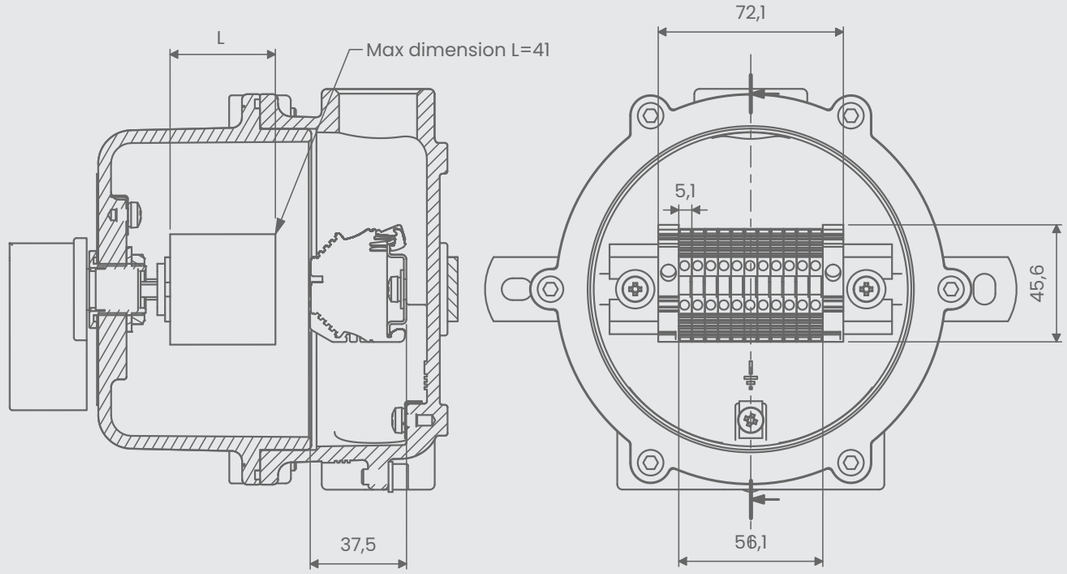
ATEX Certificate	IECEx Certificate
BVI 15 ATEX 0073	IECEx EPS 15.0069

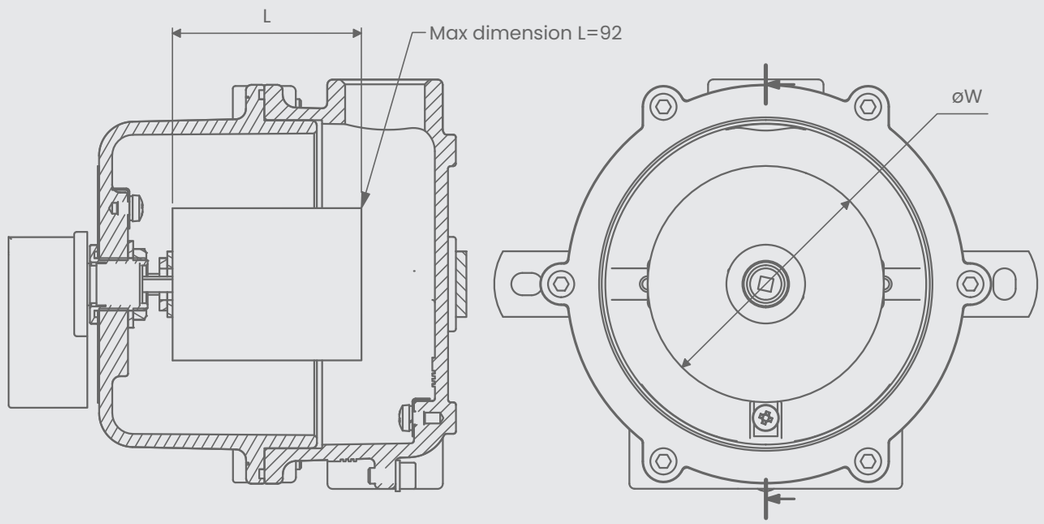


Code	ØA
LCS23AH	3/4" NPT
LCS33AH	1" NPT
LCS253AH	M25x1.5 - 6H
LCS323AH	M32x1.5 - 6H

ORDER CODING		
Code		Electrical Contact
LCS23AH **LCS33AH** **LCS253AH** **LCS323AH**	+	See table 9-3

Example: LCS23AH-K1012





LCS 3A

ROTATIVE ELECTRICAL CONTACT - Table 9-3

Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K1001	1	16	1.5	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K2001	1	20	2.2	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K3001	1	25	3	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K4001	1	32	4	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K5001	1	36	5.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K6001	1	40	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K7001	1	40	7.5	60°	2 x 6÷16	58	29.5	0-1 | ON/OFF
K1002	2	16	1.5	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K2002	2	20	2.2	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K3002	2	25	3	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K4002	2	32	4	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K5002	2	36	5.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K6002	2	40	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K7002	2	40	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K1003	3	16	2.2	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K2003	3	20	4	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K3003	3	25	5.5	60°	2 x 1.5÷2.5	43	29.5	0-1 | ON/OFF
K4003	3	32	7.5	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K5003	3	36	11	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K6003	3	40	15	60°	2 x 2.5÷4	58	29.5	0-1 | ON/OFF
K7003	3	40	15	60°	2 x 6÷16	58	29.5	0-1 | ON/OFF
K1004	4	16	2.2	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K2004	4	20	4	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K3004	4	25	5.5	60°	2 x 1.5÷2.5	43	41	0-1 | ON/OFF
K4004	4	32	7.5	60°	2 x 2.5÷4	58	41	0-1 | ON/OFF
K5004	4	36	11	60°	2 x 2.5÷4	58	41	0-1 | ON/OFF
K6004	4	40	15	60°	2 x 2.5÷4	58	41	0-1 | ON/OFF
K7004	4	40	15	60	2 x 6 ÷ 16	58	69	0-1 | ON/OFF
K1011	1	16	1.5	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K2011	1	20	2.2	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER

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ROTATIVE ELECTRICAL CONTACT - Table 9-3

Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K3011	1	25	3	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K1011	1	16	1.5	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K2011	1	20	2.2	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K3011	1	25	3	60°	2 x 1.5÷2.5	43	29.5	1-0-2 MAINS TRANSFER
K4011	1	32	4	60°	2 x 2.5÷4	58	29.5	1-0-2 MAINS TRANSFER
K5011	1	36	5.5	60°	2 x 2.5÷4	58	29.5	1-0-2 MAINS TRANSFER
K6011	1	40	7.5	60°	2 x 2.5÷4	58	29.5	1-0-2 MAINS TRANSFER
K1012	2	16	1.5	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K2012	2	20	2.2	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K3012	2	25	3	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K4012	2	32	4	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K5012	2	36	5.5	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K6012	2	40	7.5	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K1013	3	16	2.2	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K2013	3	20	4	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K3013	3	25	5.5	60°	2 x 1.5÷2.5	43	41	1-0-2 MAINS TRANSFER
K4013	3	32	7.5	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K5013	3	36	11	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K6013	3	40	15	60°	2 x 2.5÷4	58	41	1-0-2 MAINS TRANSFER
K1014	4	16	2.2	60°	2 x 1.5÷2.5	43	53.5	1-0-2 MAINS TRANSFER
K2014	4	20	4	60°	2 x 1.5÷2.5	43	53.5	1-0-2 MAINS TRANSFER
K3014	4	25	5.5	60°	2 x 1.5÷2.5	43	53.5	1-0-2 MAINS TRANSFER
K4014	4	32	7.5	60°	2 x 2.5÷4	58	58	1-0-2 MAINS TRANSFER
K5014	4	36	11	60°	2 x 2.5÷4	58	58	1-0-2 MAINS TRANSFER
K6014	4	40	15	60°	2 x 2.5÷4	58	58	1-0-2 MAINS TRANSFER
K1021	1	16	1.5	60°	2 x 1.5÷2.5	43	29.5	1-2 | CHANGE OVER
K2021	1	20	2.2	60°	2 x 1.5÷2.5	43	29.5	1-2 | CHANGE OVER
K3021	1	25	3	60°	2 x 1.5÷2.5	43	29.5	1-2 | CHANGE OVER
K4021	1	32	4	60°	2 x 2.5÷4	58	29.5	1-2 | CHANGE OVER
K5021	1	36	5.5	60°	2 x 2.5÷4	58	29.5	1-2 | CHANGE OVER
K6021	1	40	7.5	60°	2 x 2.5÷4	58	29.5	1-2 | CHANGE OVER
K1022	2	16	1.5	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K2022	2	20	2.2	60°	2 x 1.5÷2.5	42	41	1-2 | CHANGE OVER

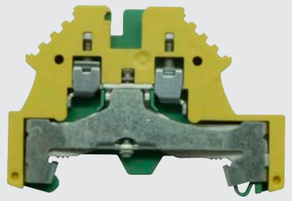
LCS 3A

ROTATIVE ELECTRICAL CONTACT - Table 9-3

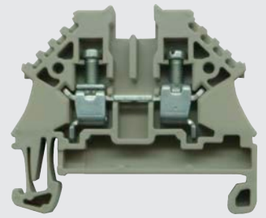
Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm²]	øW [mm]	L [mm]	Function
K3022	2	25	3	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K4022	2	32	4	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K5022	2	36	5.5	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K5022	2	36	5.5	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K6022	2	40	7.5	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K1023	3	16	2.2	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K2023	3	20	4	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K3023	3	25	5.5	60°	2 x 1.5÷2.5	43	41	1-2 | CHANGE OVER
K4023	3	32	7.5	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K5023	3	36	11	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER
K6023	3	40	15	60°	2 x 2.5÷4	58	41	1-2 | CHANGE OVER

The switch series LCS 3A can also include terminal strips model type as indicated in the table.

WPE



WDU



TERMINAL BLOCK suitable for LCS size 3A						
Code	Description	Cross section	Vmax	Imax	d	Max q.ty
WDU2.5N	Feed-through terminal block 2,5 mmq	1,5 ÷ 2,5	230V	10A	5,1	11
WDU4N	Feed-through terminal block 4 mmq	1,5 ÷ 4	230V	10A	6,1	9
WPE2.5N	Modular PE terminal block 2,5 mmq	1,5 ÷ 2,5	230V	NA	5,1	11
WPE4N	Modular PE terminal block 4 mmq	1,5 ÷ 4	230V	NA	6,1	9