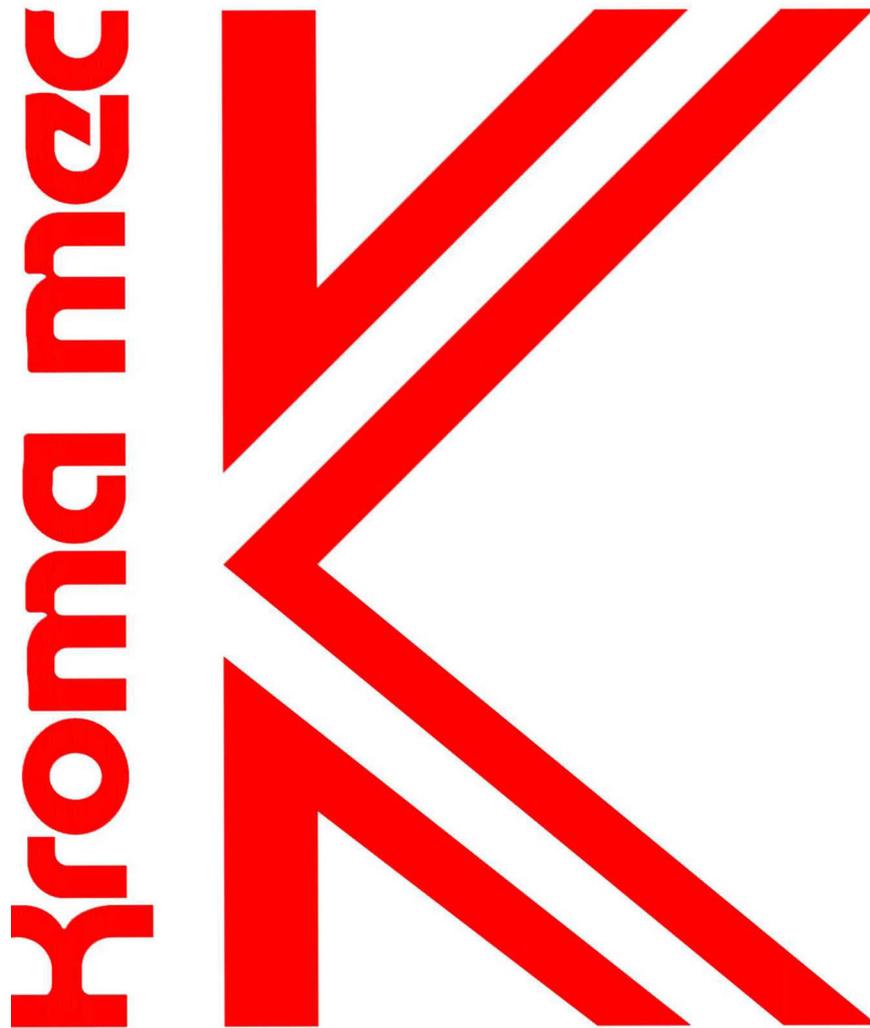


EXPLOSION PROOF EQUIPMENT

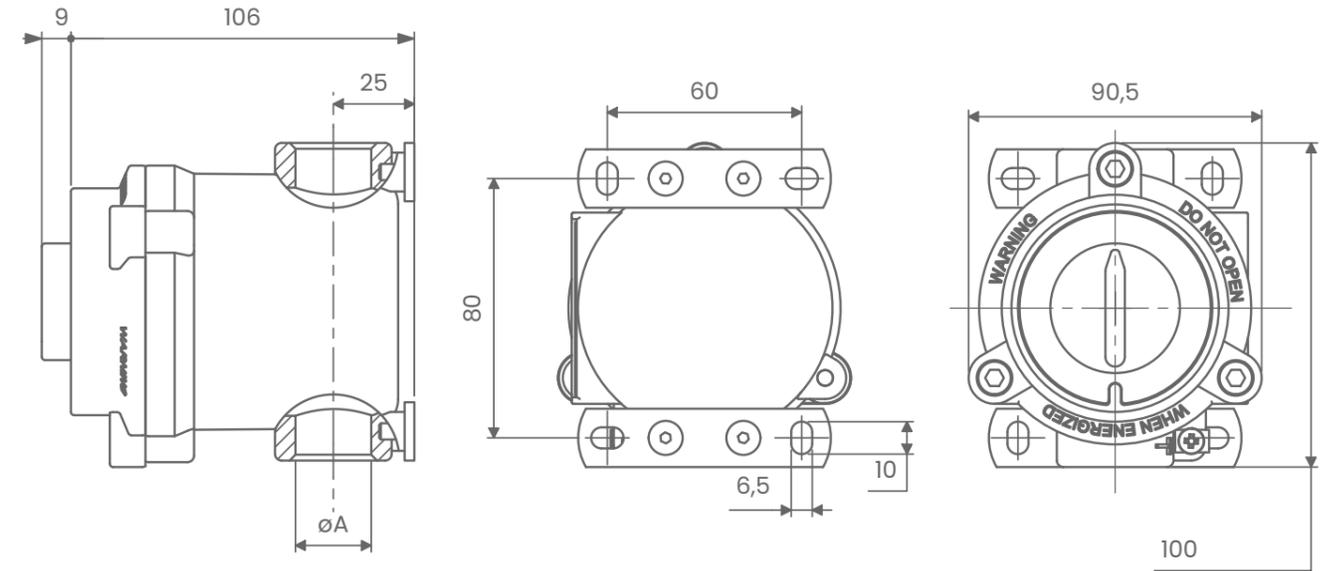
Rotary cam switches



**Rotary cam switches series KCS
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 is Stainless Steel AISI 316L
withput any external coating.
They have excellent mechanical and corrosion resistance.
Ceritifed also for mines group I M2.**

KCS 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

Code

KCS251

KCS21

ØA

M25x1.5 - 6H

3/4" NPT

ORDER CODING

Code

KCS251

KCS21

+

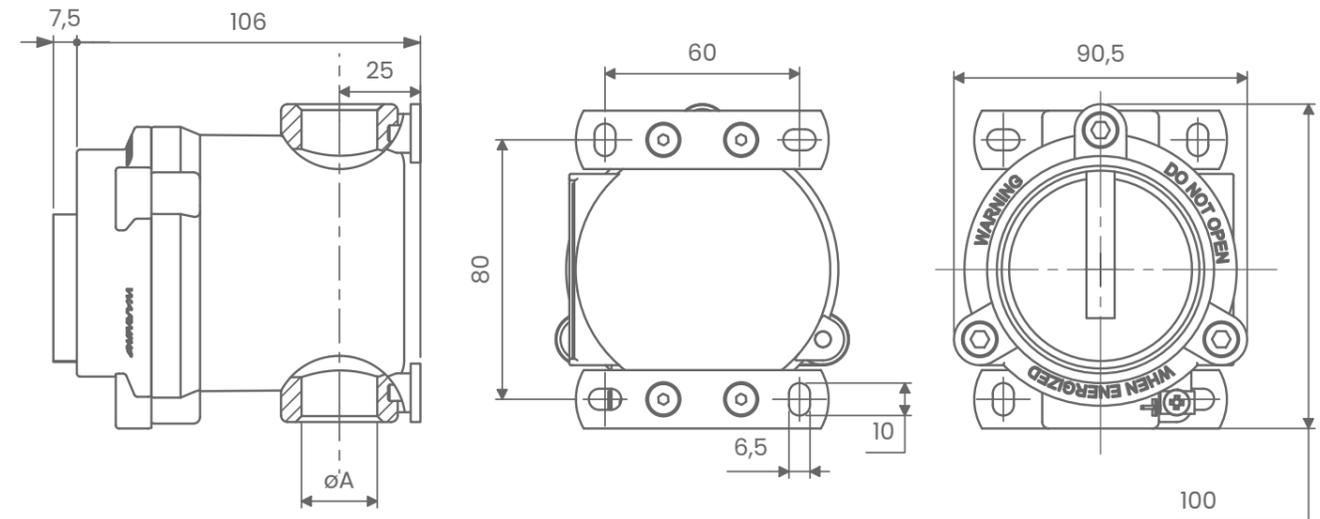
Electrical Contact

See table 9-1

Example: KCS21-K1012

KCS 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 mm²

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

Code

KCS251L

KCS21L

ØA

M25x1.5 - 6H

3/4" NPT

ORDER CODING

Code

Knob Color

Electrical contact

KCS251L

● BK

+

+

See Table 9-1

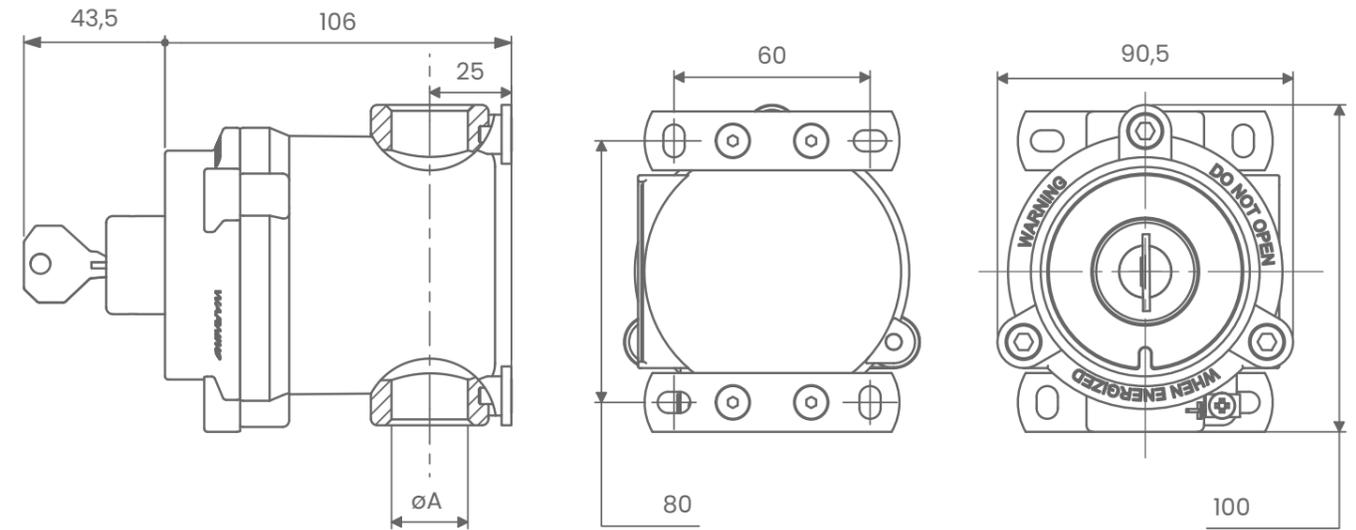
KCS21L

● RD

Example: KCS21L-K1012

KCS 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

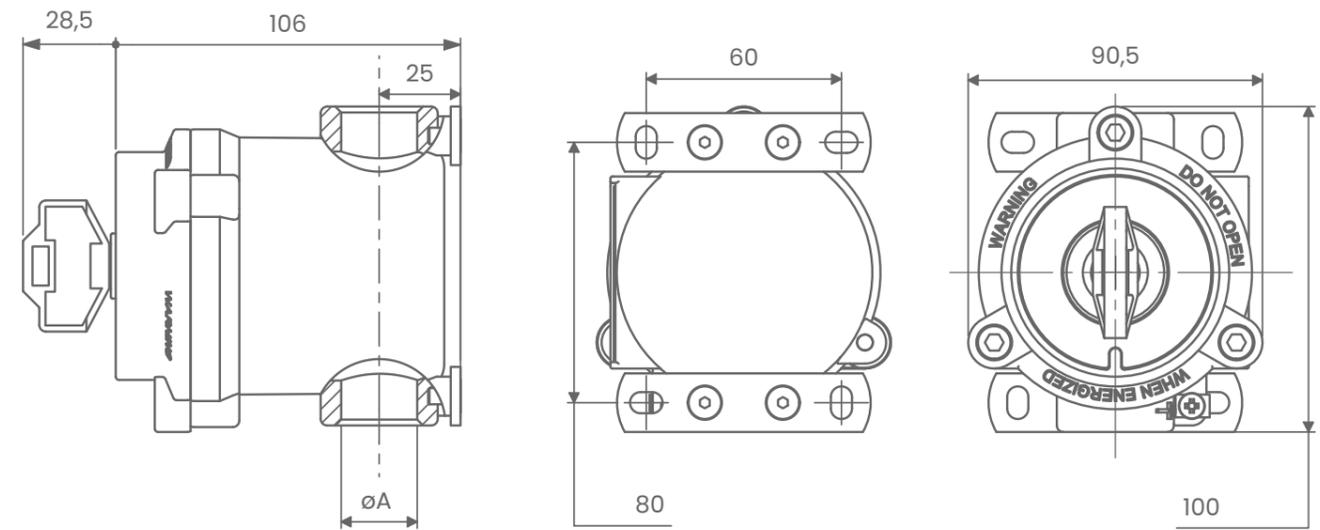
Code	ØA
KCS251Y	M25x1.5 - 6H
KCS21Y	3/4" NPT

ORDER CODING		
Code	Key code	Electrical contact
KCS251Y	A - 3103	
	B - 3108	+ See Table 9-1
KCS21Y	C - 3108	

Example: KCS21Y-K1012

KCS 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

Code

ØA

KCS251H

M25x1.5 - 6H

KCS21H

3/4" NPT

ORDER CODING

Code

Electrical Contact

KCS251H

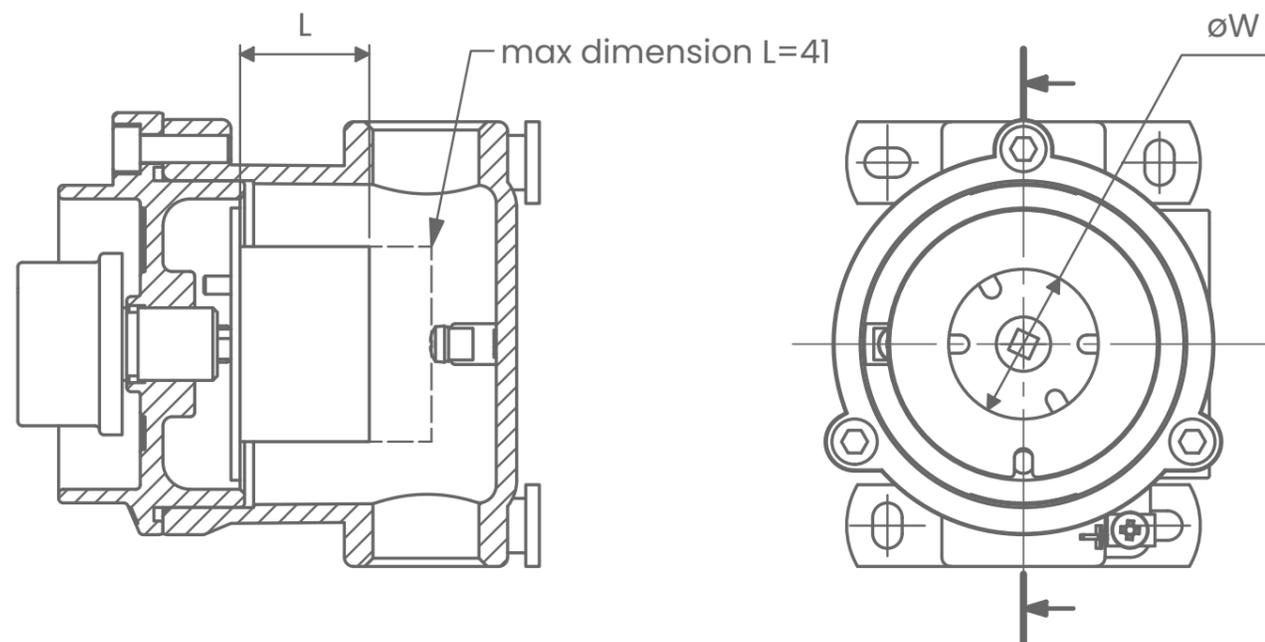
+

See table 9-1

KCS21H

Example: KCS21H-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

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

KCS 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

ACI max current value: 40A

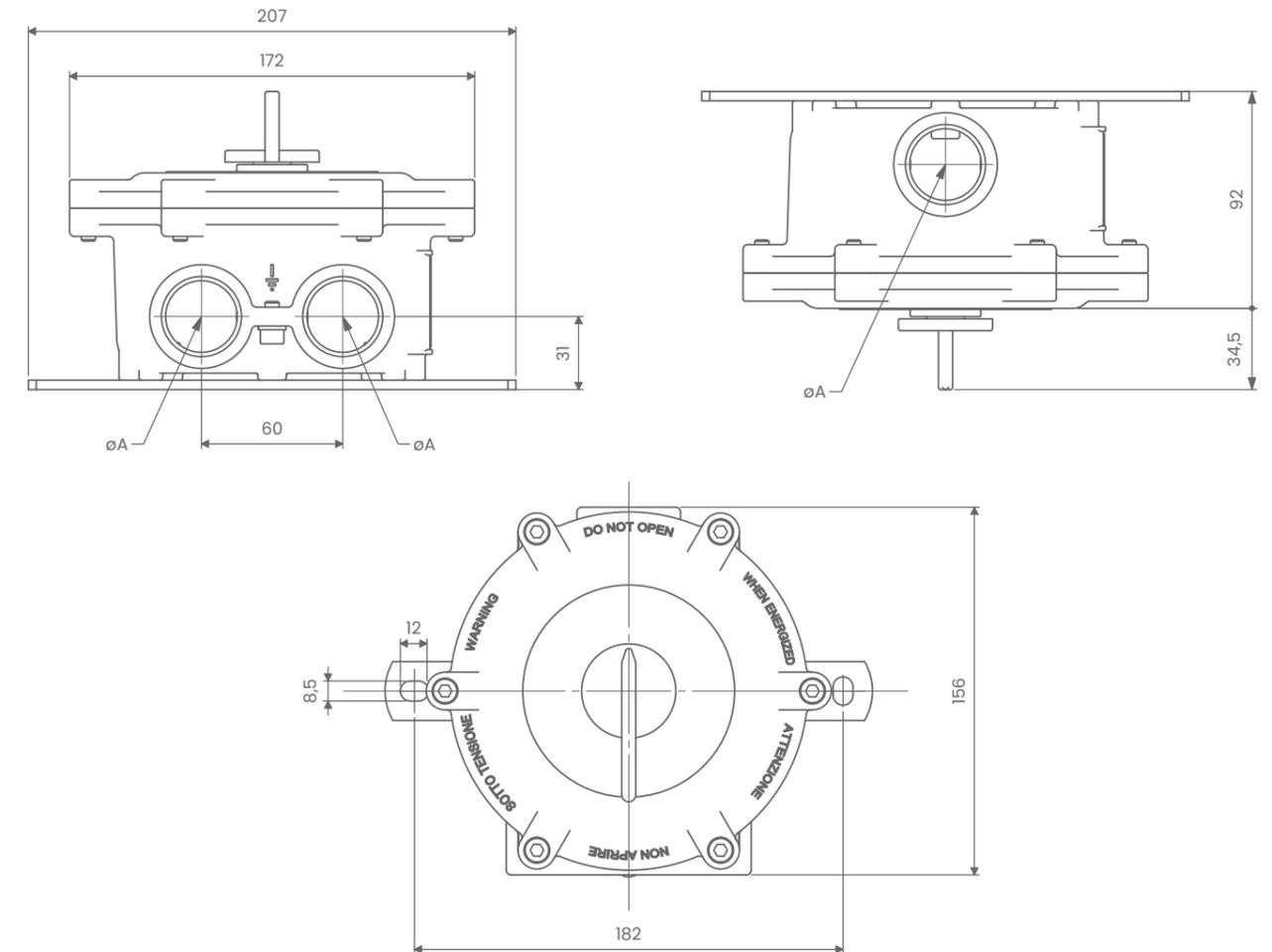
Cable section: 1,5 ÷ 16 mmq

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



Code	ØA
KCS23	3/4" NPT
KCS33	1" NPT
KCS253	M25x1.5 - 6H
KCS323	M32x1.5 - 6H

ORDER CODING

Code	Electrical Contact
KCS23	+ See table 9-2
KCS33	
KCS253	
KCS323	

Example: KCS23-K1012

KCS 23L / 33L / 253L / 323L

- 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

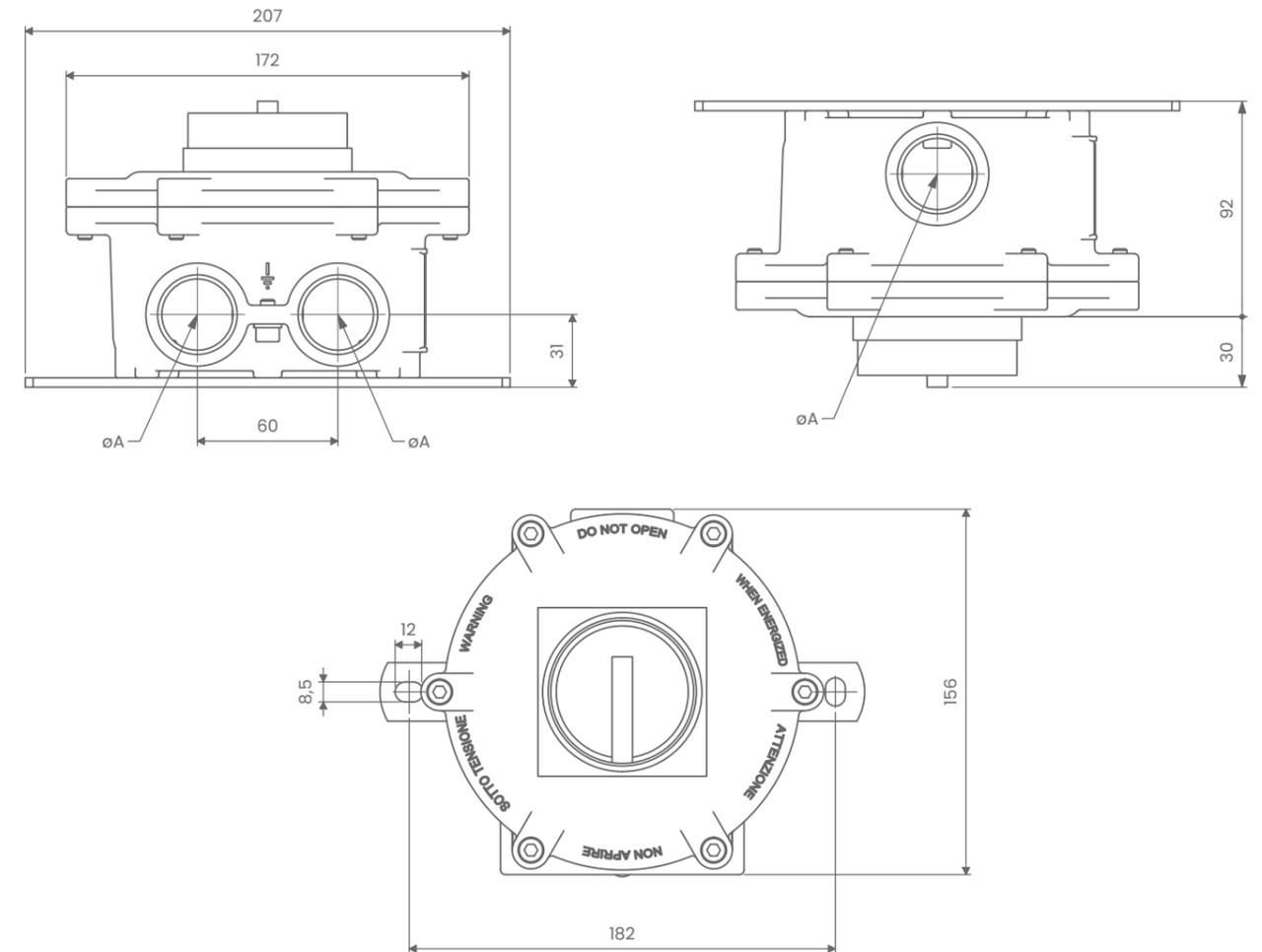
Cable section: 1,5 ÷ 16 mmq

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



Code	$\varnothing A$
KCS23L	3/4" NPT
KCS33L	1" NPT
KCS253L	M25x1.5 - 6H
KCS323L	M32x1.5 - 6H

ORDER CODING

Code	Knob Color	Quadrant Color	Electrical contact
KCS23L	BK ●	Y ●	See Table 9-2
KCS33L			
KCS253L	RD ●	G ●	
KCS323L			

Example: KCS23L-K1012

KCS 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

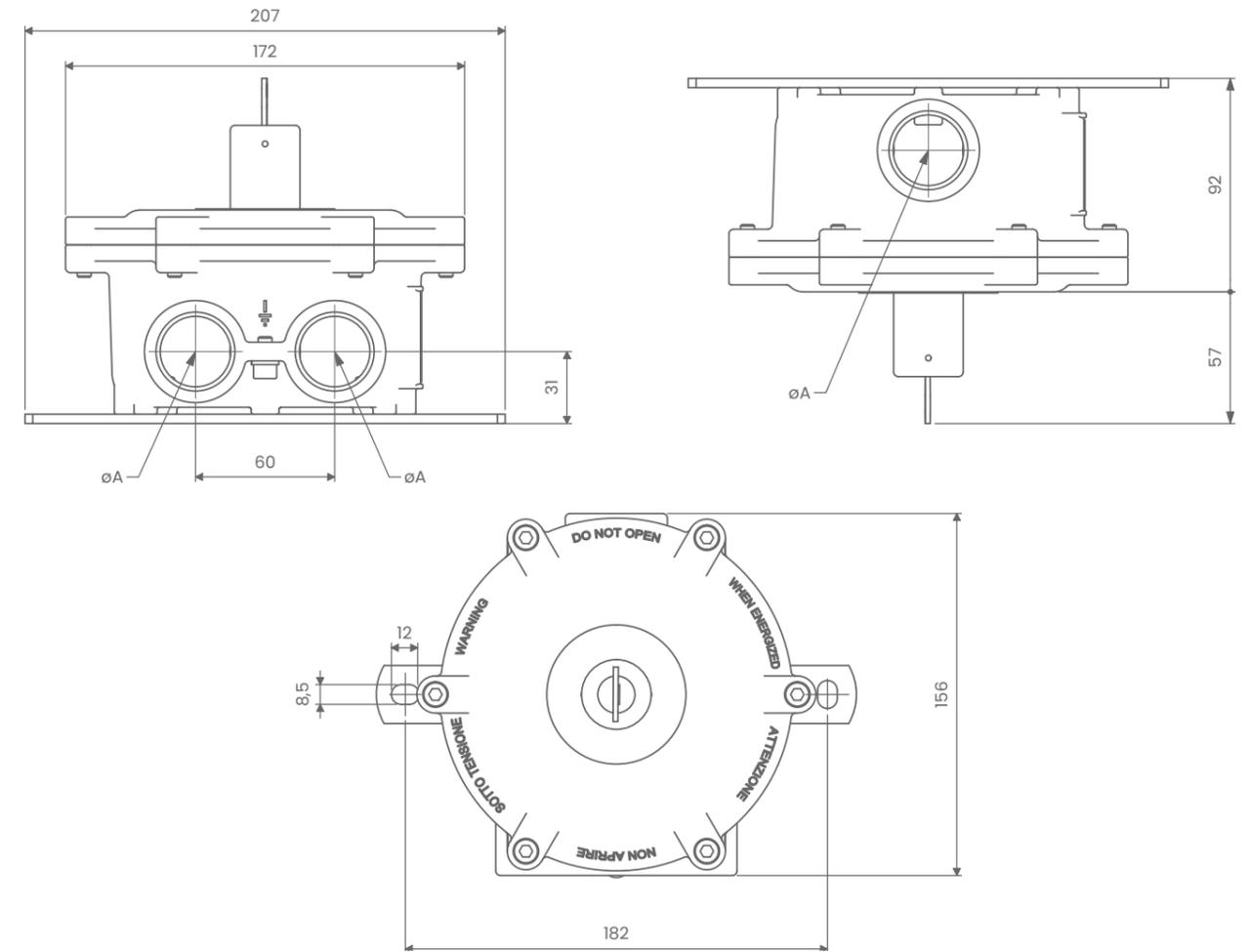
Cable section: 1,5 ÷ 16 mmq

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



Code	ØA
KCS23Y	3/4" NPT
KCS33Y	1" NPT
KCS253Y	M25x1.5 - 6H
KCS323Y	M32x1.5 - 6H

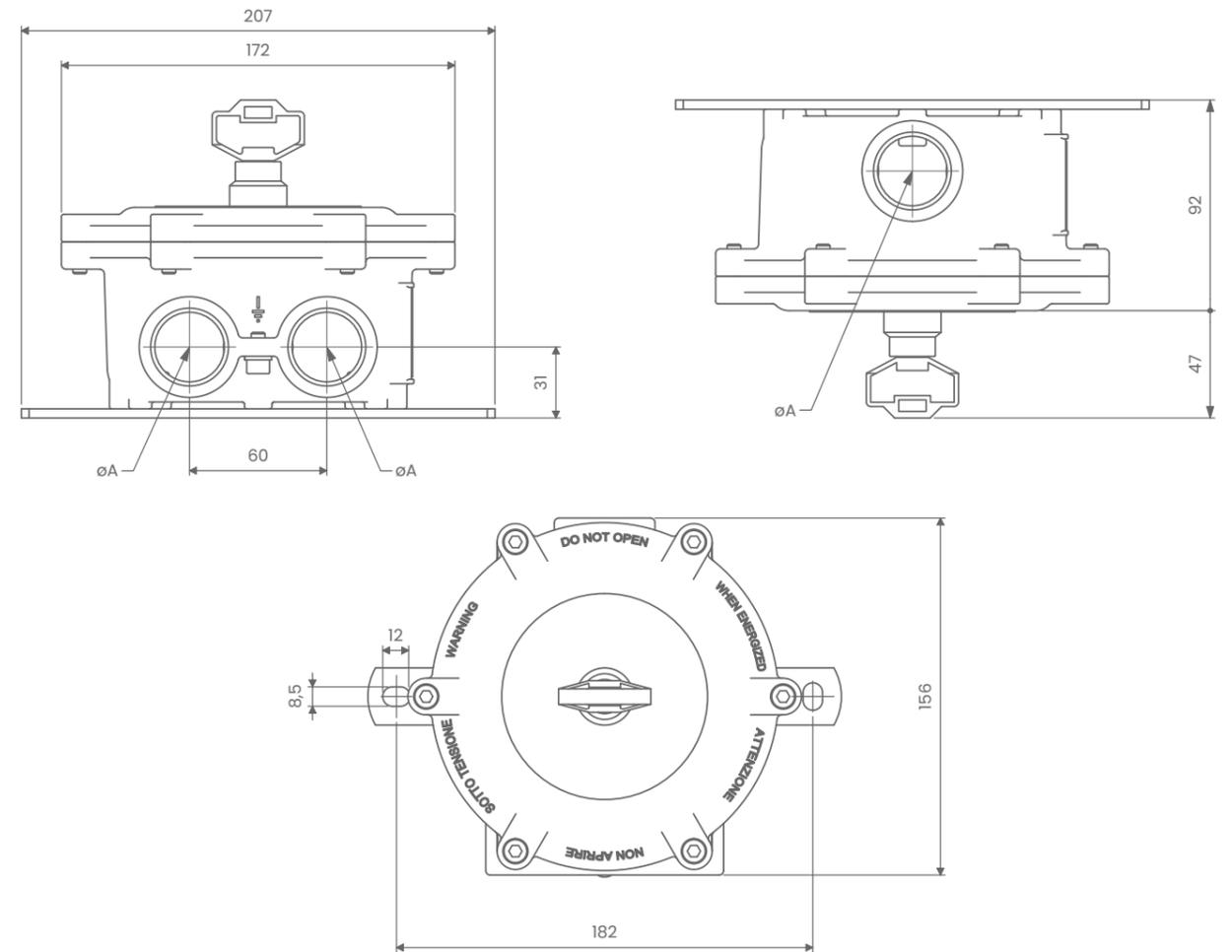
ORDER CODING

Code	Key code	Electrical contact
KCS23Y	A - 3103	
KCS33Y	B - 3108	
KCS253Y		+
KCS323Y	C - 3108	+
		See Table 9-2

Example: KCS23Y-K1012

KCS 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

Code

ØA

KCS23H

3/4" NPT

KCS33H

1" NPT

KCS253H

M25x1.5 - 6H

KCS323H

M32x1.5 - 6H

ORDER CODING

Code

Electrical Contact

KCS23H

KCS33H

KCS253H

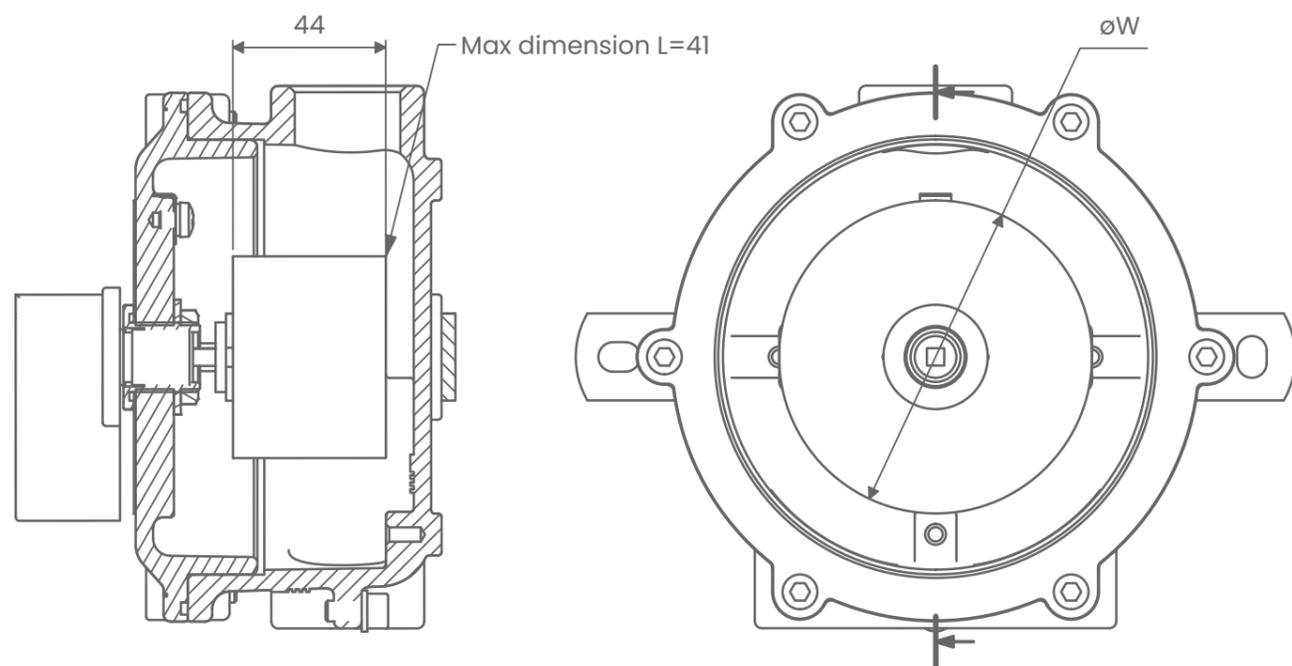
KCS323H

+

See table 9-2

Example: KCS23H-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

ROTATIVE ELECTRICAL CONTACT – Table 9-2

Code	N° Pole	Current Ith [A]	AC3 Rated Power [KW]	Switch Angles	Cross Section [mm ²]	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

KCS 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

ACI max current value: 40A

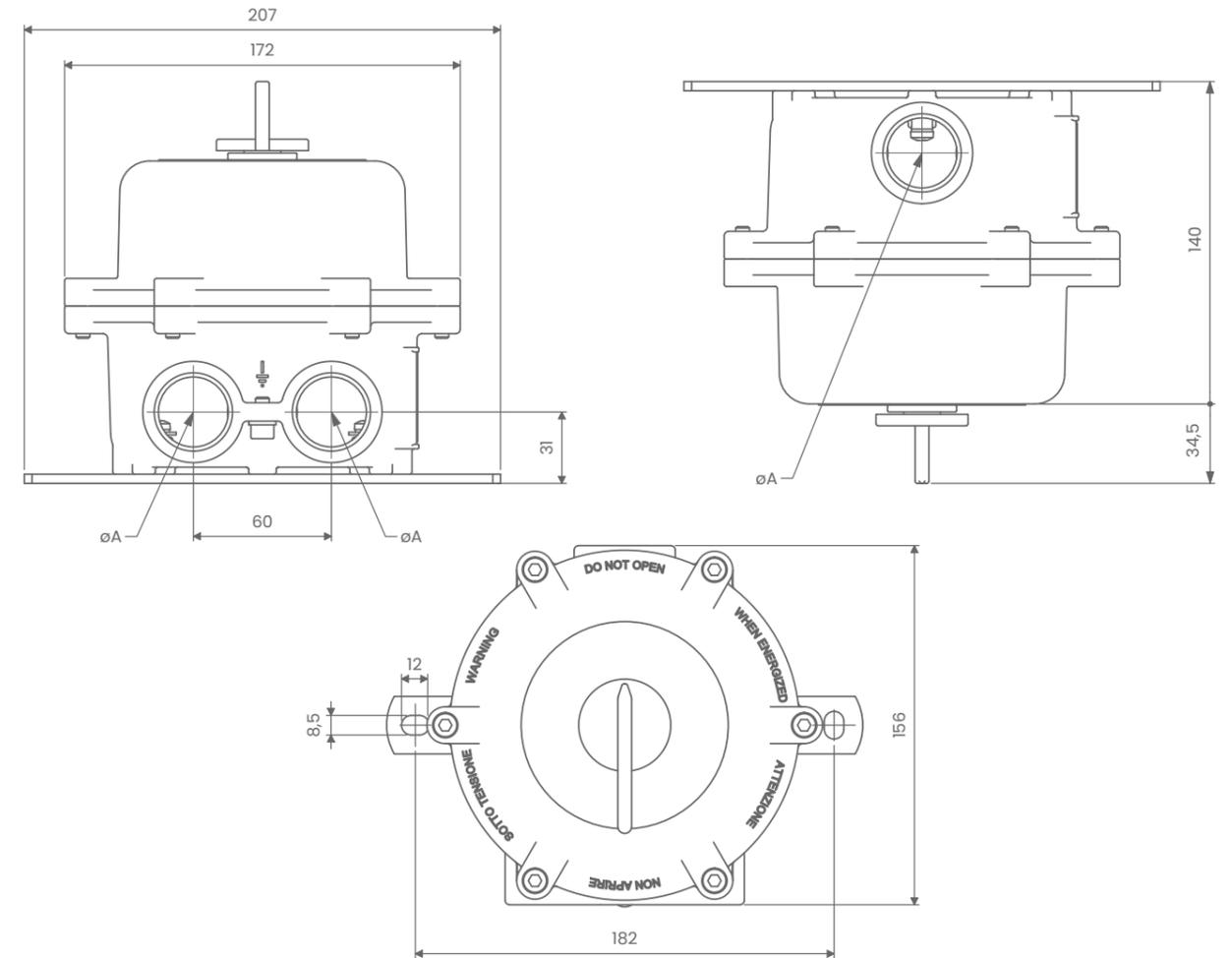
Cable section: 1,5 ÷ 16 mmq

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



Code	ØA
KCS23A	3/4" NPT
KCS33A	1" NPT
KCS253A	M25x1.5 - 6H
KCS323A	M32x1.5 - 6H

ORDER CODING

Code	Electrical Contact
KCS23A	
KCS33A	
KCS253A	
KCS323A	
	+
	See table 9-3

Example: KCS23A-K1012

KCS 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

ACI max current value: 40A

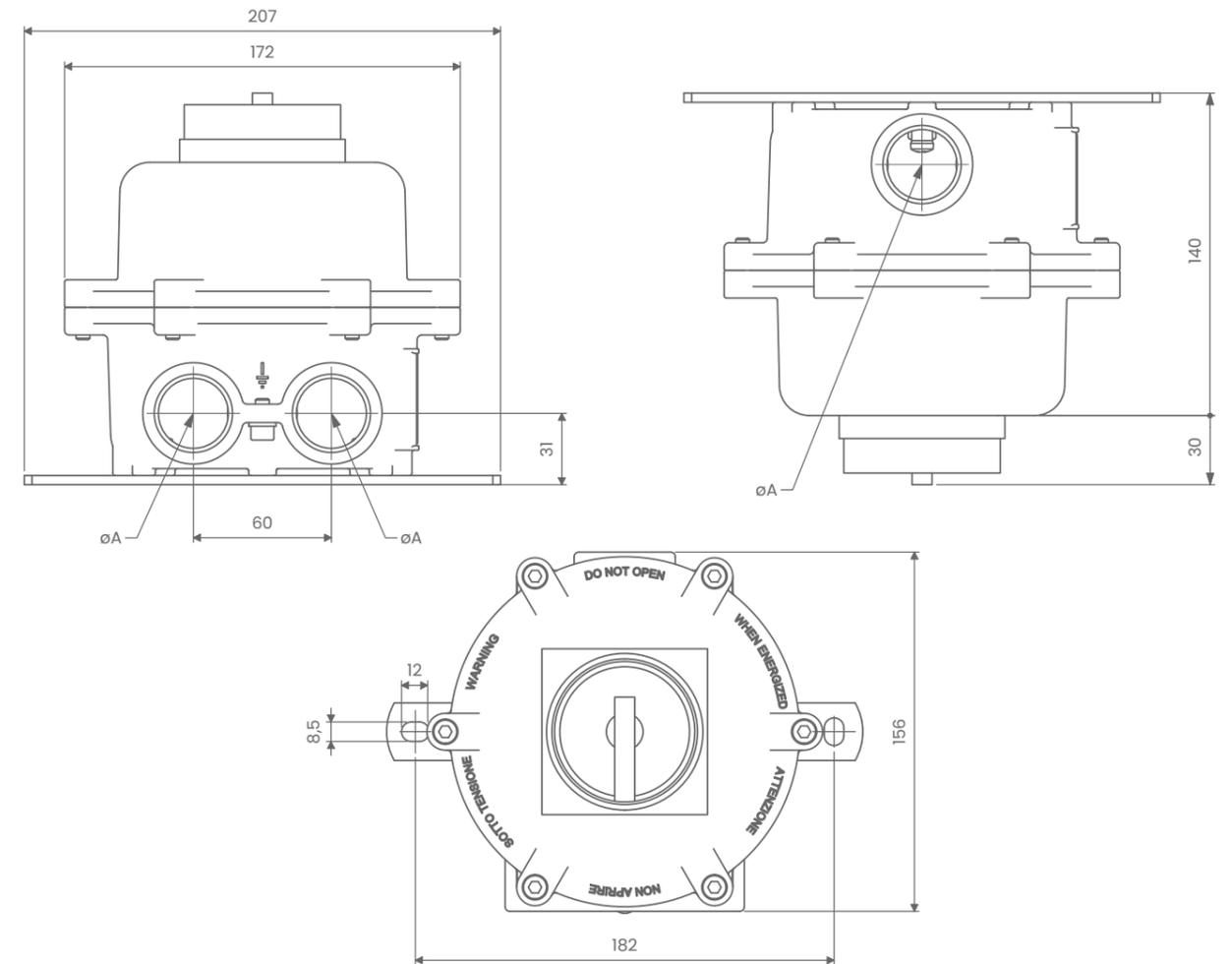
Cable section: 1,5 ÷ 16 mmq

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



Code	ØA
KCS23AL	3/4" NPT
KCS33AL	1" NPT
KCS253AL	M25x1.5 - 6H
KCS323AL	M32x1.5 - 6H

ORDER CODING			
Code	Knob Color	Quadrant Color	Electrical contact
KCS23AL			
KCS33AL	BK ●	Y ●	See Table 9-3
KCS25A3L	+	+	
KCS323AL	RD ●	G ●	

Example: KCS23AL-K1012

KCS 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

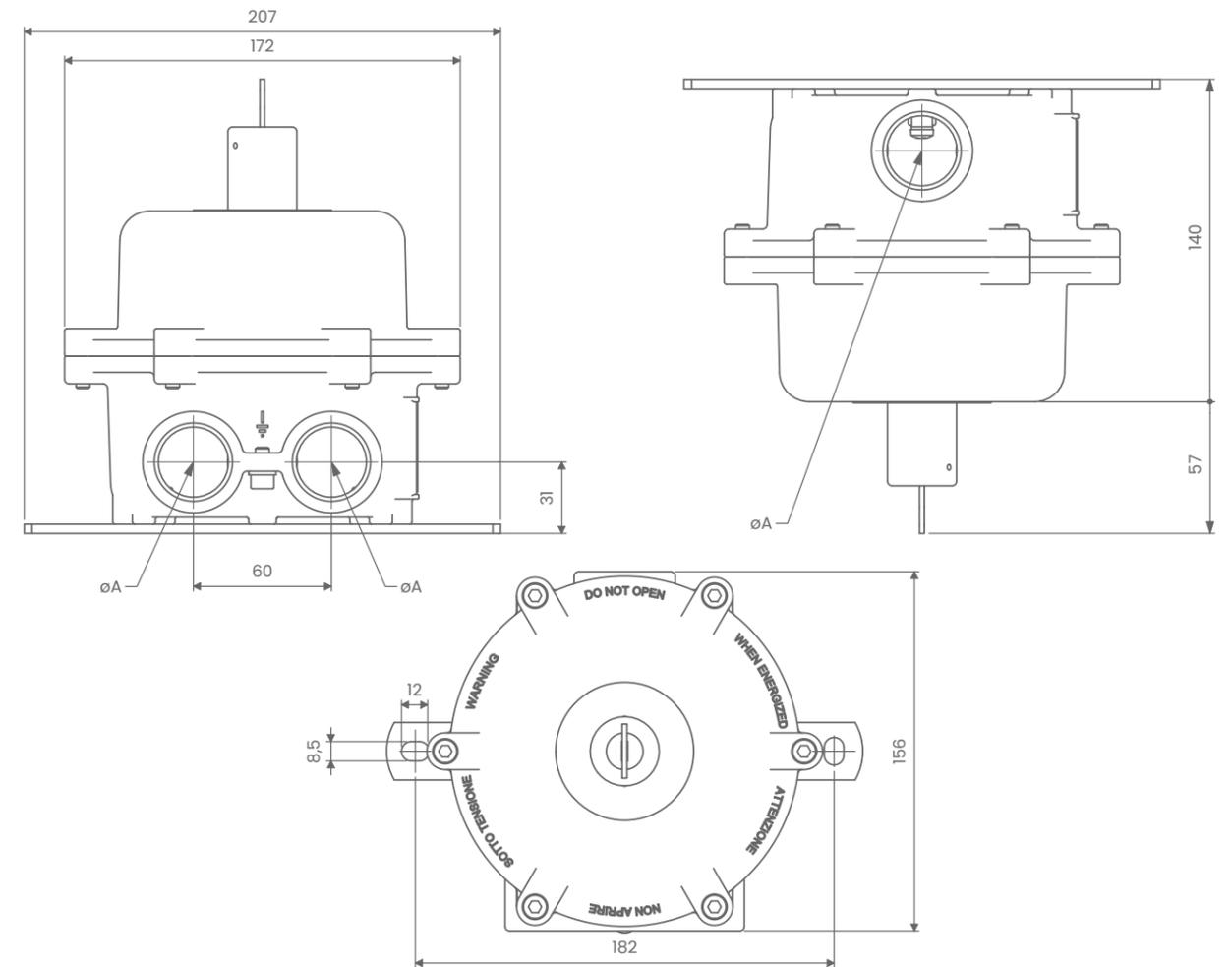
Cable section: 1,5 ÷ 16 mmq

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



Code	ØA
KCS23AY	3/4" NPT
KCS33AY	1" NPT
KCS253AY	M25x1.5 - 6H
KCS323AY	M32x1.5 - 6H

ORDER CODING		
Code	Key code	Electrical contact
KCS23AY	A - 3103	
KCS33AY	B - 3108	
KCS253AY		
KCS323AY	C - 3108	
		See Table 9-3

Example: KCS23AY-K1012

KCS 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

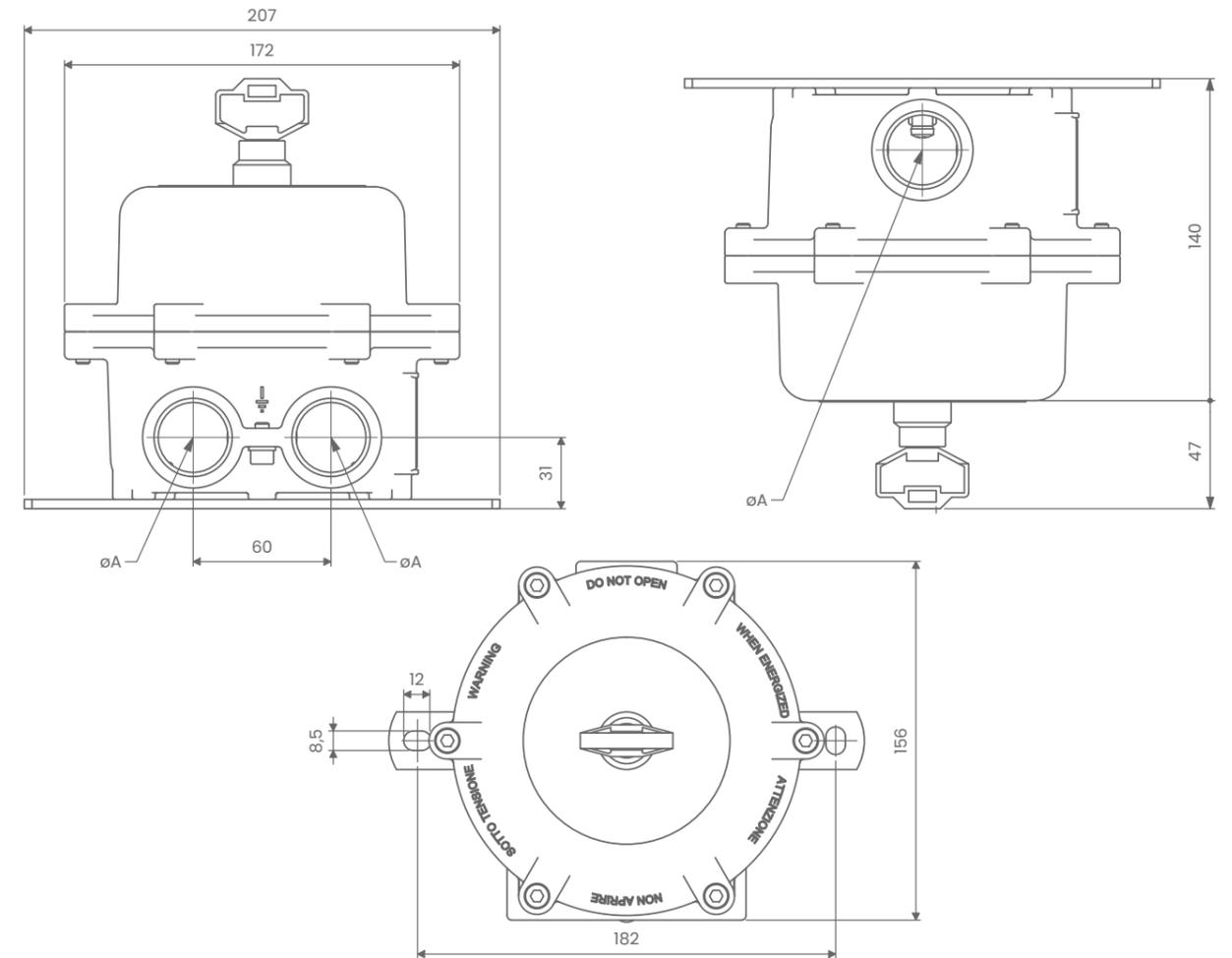
Cable section: 1,5 ÷ 16 mmq

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



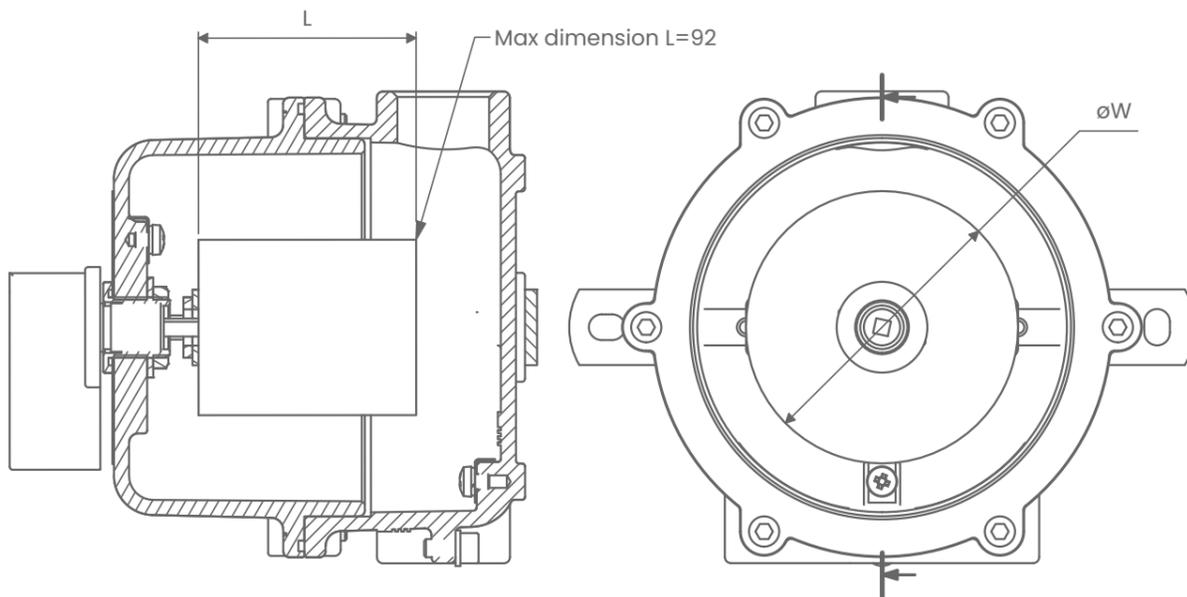
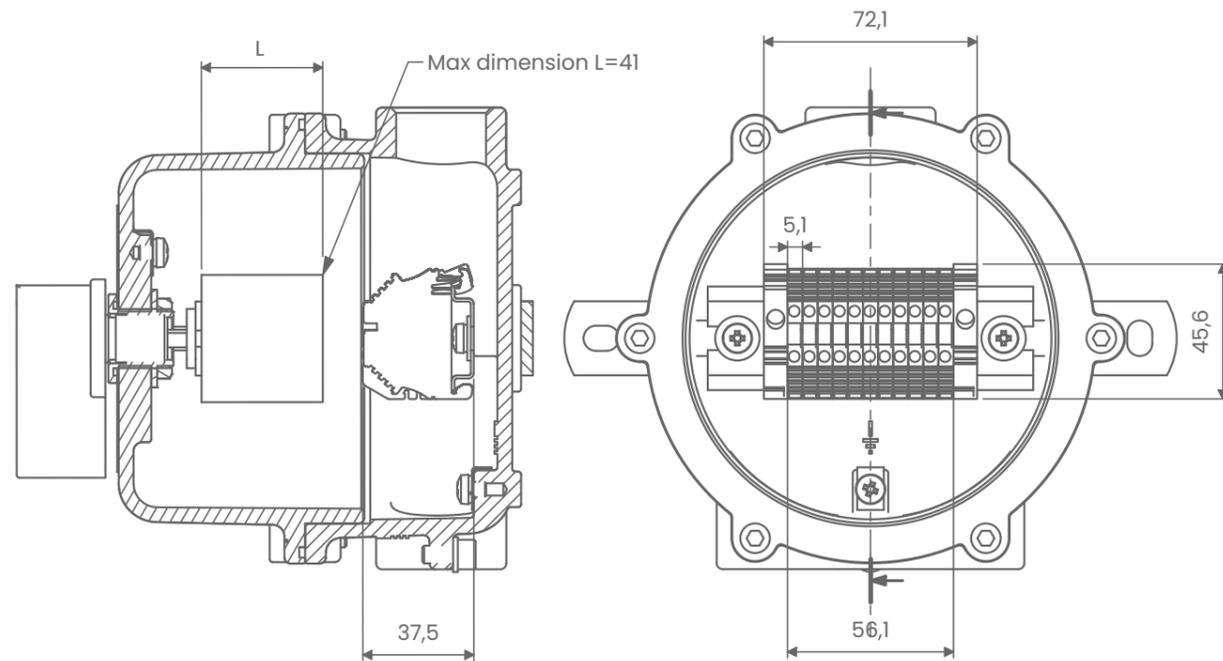
Code	ØA
KCS23AH	3/4" NPT
KCS33AH	1" NPT
KCS253AH	M25x1.5 - 6H
KCS323AH	M32x1.5 - 6H

ORDER CODING

Code	Electrical Contact
KCS23AH	+ See table 9-3
KCS33AH	
KCS253AH	
KCS323AH	

Example: KCS23AH-K1012

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

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

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.



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