

HCS1P series for zones 1/2 and 21/22

Predefined 1-, 2-, and 3-gang control stations for hazardous areas



Design features

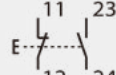
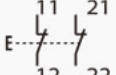
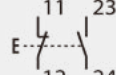
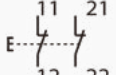
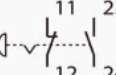
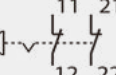
- ▶ **The robust, thick enclosure walls (4.5–9 mm)** ensure high structural rigidity and allow the use of threads with a large number of turns, further enhancing the device's reliability.
- ▶ **Silicone cover gasket**, which effectively protects the interior of the case from the ingress of moisture and dirt.
- ▶ **Cover screws**, made of AISI 316L stainless steel, guarantee durability and resistance to harmful external factors.
- ▶ **Internal mounting screws**, made of corrosion-resistant materials, significantly increase the durability and service life of the entire structure.

Parameters

Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22	
ATEX / IECEx certificate	FIDI 22 ATEX 0065X / IECEx FIDI 22.0008X	
Marking according to ATEX / IECEx	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C	
Dimensions (L x W x H)	1-gang: 120 x 120 x 90 mm 1- or 2-gang: 120 x 220 x 90 mm	
Product weight	1-gang: ~0,4 kg 1- or 2-gang: ~0,9 kg	
Mechanical life	1 million cycles	
Options	▶ Metal glands ▶ Earthing bolt ▶ Metal name plate ▶ Enclosure made with stainless steel or aluminium	
Housing material	glass fiber reinforced polyester (GRP)	
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)	
Degree of protection according to EN 60529	IP66	
Max voltage	400 V AC	
Rated current	16 A	
Protection class	I	
Short-circuit protection	16A / 500V	
Terminals	2 x 2,5 mm²	

Emergency stop

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
Pull to release				
		1NO + 1NC 1 x mushroom button Pull to release	1 x M25	HCS1P 121209 S10001
		2NC 1 x mushroom button Pull to release	1 x M25	HCS1P 121209 S10002
		1NO + 1NC 1 x mushroom button Pull to release	1 x M25	HCS1P 121209 S10003
		2NC 1 x mushroom button Pull to release	1 x M25	HCS1P 121209 S10004
Twist to release				
		1NO + 1NC 1 x mushroom button Twist to release	1 x M25	HCS1P 121209 S10011
		2NC 1 x mushroom button Twist to release	1 x M25	HCS1P 121209 S10012

Parameters

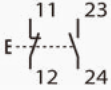
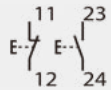
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEx certification	IECEx FIDI 22.0008X
Marking according to ATEX (2014/34/EU)	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIC T85°C
Marking according to IECEx	Ex db eb IIC T5 Gb Ex tb IIC T85°C
Dimensions (L x W x H)	120 x 120 x 90 mm
Product weight	~0,4 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Max voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm²

NOTES:

1. **Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
2. **T6** temperature class available up to 13A (on request)
3. IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
4. IIIC – most stringent dust group (includes **IIIB, IIIA**)

Momentary buttons

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		1NO + 1NC 1 x monostable button colour: green	1 x M25	HCS1P 121209 S10051
		1NO + 1NC 1 x monostable double button colours: red, green	1 x M25	HCS1P 121209 S10101

Parameters

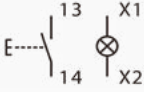
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEx certification	IECEx FIDI 22.0008X
Marking according to ATEX (2014/34/EU)	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C
Marking according to IECEx	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 120 x 90 mm
Product weight	~0,4 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Max voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Illuminated momentary buttons

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
 	1NO	1 x illuminated push button colour: ● red	1 x M25	HCS1P 121209 S10301
	1NO	1 x illuminated push button colour: ● green	1 x M25	HCS1P 121209 S10302
	1NO	1 x illuminated push button colour: ● yellow	1 x M25	HCS1P 121209 S10303
	1NO	1 x illuminated push button colour: ● blue	1 x M25	HCS1P 121209 S10304
	1NO	1 x illuminated button, 1NO colour: ○ white	1 x M25	HCS1P 121209 S10305

Parameters

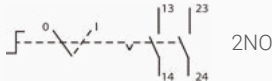
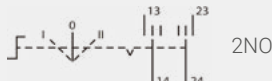
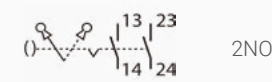
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEx certification	IECEx FIDI 22.0008X
Marking according to ATEX (2014/34/EU)	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C
Marking according to IECEx	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 120 x 90 mm
Product weight	~0,4 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Max voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

1. **Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
2. **T6** temperature class available up to 13A (on request)
3. IIC – most stringent gas group (includes **IIB**, **IIA**); suitable e.g. for hydrogen and acetylene
4. IIIC – most stringent dust group (includes **IIIB**, **IIIA**)

Control switches (16A, up to 3 positions)

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		1 x control switch 2 stable positions description: 0 - I	1 x M25	HCS1P 121209 S10151
		1 x control switch 3 stable positions description: I - 0 - II	1 x M25	HCS1P 121209 S10171
		1 x key-operated switch 2 positions: stable	1 x M25	HCS1P 121209 S10201

Parameters

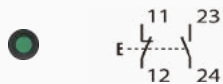
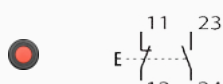
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEX certification	IECEX FIDI 22.0008X
Marking according to ATEX (2014/34/EU)	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C
Marking according to IECEX	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 120 x 90 mm
Product weight	~0,4 kg
Mechanical Life:	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Max voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection:	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

1. **Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
2. **T6** temperature class available up to 13A (on request)
3. IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
4. IIIC – most stringent dust group (includes **IIB, IIIA**)

Control panel [2-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		self-return button (green) 1NO + 1NC	1 x M25	HCS1P 122209 S20001
		self-return button (red) 1NO + 1NC		

Parameters

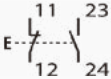
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEX certification	IECEX FIDI 22.0008X
Marking according to 2014/34/EU	Ex II 2 G Ex db eb IIC T5 Gb Ex II 2 D Ex tb IIIC T85°C
Marking according to IECEX	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~0,9 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Control panel [2-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		indicator light (green)	1 x M25	HCS1P 122209 S20002
		self-return button (green) 1NO + 1NC		

Parameters

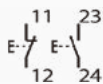
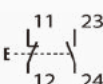
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEx certification	IECEx FIDI 22.0008X
Marking according to 2014/34/EU	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C
Marking according to IECEx	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~0,9 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Control panel [2-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		self-return double button (green/red) 1NO + 1NC	1 x M25	HCS1P 122209 S20003
		emergency stop (pull-to-release) 1NO + 1NC		

Parameters

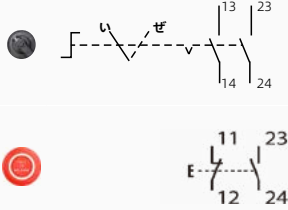
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEX certification	IECEX FIDI 22.0008X
Marking according to 2014/34/EU	Ex II 2 G Ex db eb IIC T5 Gb Ex II 2 D Ex tb IIIC T85°C
Marking according to IECEX	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~0,9 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Control panel [2-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		control switch 2 stable positions 2NO description: 0 - I emergency stop (pull-to-release) 1NO + 1NC	1 x M25	HCS1P 122209 S20004

Parameters

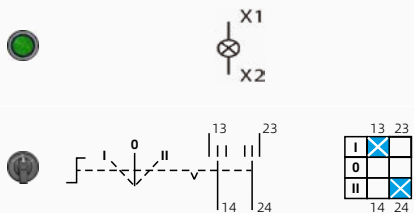
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEx certification	IECEx FIDI 22.0008X
Marking according to 2014/34/EU	Ex II 2 G Ex db eb IIC T5 Gb Ex II 2 D Ex tb IIIC T85°C
Marking according to IECEx	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~0,9 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Control panel [2-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		indicator light (green) control switch 3 stable positions 2NO description: I - 0 - II	1 x M25	HCS1P 122209 S20005

Parameters

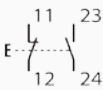
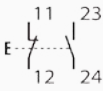
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEX certification	IECEX FIDI 22.0008X
Marking according to 2014/34/EU	Ex II 2 G Ex db eb IIC T5 Gb Ex II 2 D Ex tb IIIC T85°C
Marking according to IECEX	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~0,9 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Control panel [3-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		indicator light (green)	1 x M25	HCS1P 122209 S30001
		self-return button (green) 1NO + 1NC		
		self-return button (red) 1NO + 1NC		

Parameters

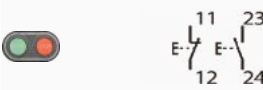
Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEx certification	IECEx FIDI 22.0008X
Marking according to 2014/34/EU	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C
Marking according to IECEx	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~1,1 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Control panel [3-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		indicator light (green)	1 x M25	HCS1P 122209 S30002
		self-return double button (green/red) 1NO + 1NC		
		emergency stop (pull-to-release) 1NO + 1NC		

Parameters

Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEX certification	IECEX FIDI 22.0008X
Marking according to 2014/34/EU	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C
Marking according to IECEX	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~1,1 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)

Control panel [3-gang]

Predefined products (other on request)

Photo	Electrical diagram	Description	Cable glands	Order No
		indicator light (green)		
		self-return double button (green/red) 1NO + 1NC	1 x M25	HCS1P 122209 S30003
		control switch 2 stable positions 1NC + 1NO description: 0 - I		

Parameters

Designed for Ex zones	Gases: 1 and 2 Dusts: 21 and 22
ATEX certificate	FIDI 22 ATEX 0065X
IECEx certification	IECEx FIDI 22.0008X
Marking according to 2014/34/EU	Ⓔ II 2 G Ex db eb IIC T5 Gb Ⓔ II 2 D Ex tb IIIC T85°C
Marking according to IECEx	Ex db eb IIC T5 Gb Ex tb IIIC T85°C
Dimensions (L x W x H)	120 x 220 x 90 mm
Product weight	~1,1 kg
Mechanical life	1 million cycles
Housing material	glass fiber reinforced polyester (GRP)
Permissible ambient temperature	-20°C to 40°C (optional -50°C to 60°C)
Degree of protection according to EN 60529	IP66
Maximum voltage	400 V AC
Rated current	16 A
Protection class	I
Short-circuit protection	16A / 500V
Terminals	2 x 2,5 mm ²

NOTES:

- Other variants** on request (gland quantity, metal glands, larger enclosure, alternative components ect.)
- T6** temperature class available up to 13A (on request)
- IIC – most stringent gas group (includes **IIB, IIA**); suitable e.g. for hydrogen and acetylene
- IIIC – most stringent dust group (includes **IIIB, IIIA**)