SIEMENS

Bescheinigung
Certificate

Nr. (*No.*): 7599

2018-08-13

Mit Ausstellungsdatum 13.08.2018 bestätigen wir (With the date of issue 2018-08-13 we confirm):

die Liste zum Brandverhalten nach DIN EN 45545-2: 2016, gültig für Bestandteile des Leitungsschutzschalters:
the list of important properties for fire protection according DIN EN 45545-2: 2016, valid for Miniature Circuit Breaker:

5SY41..-. (1 Pole Nennströme/ rated current 0,3A...63A)
5SY51..-. (1 Pole)
5SY71..-. (1 Pole)

5SY42..-. (2 Pole Nennströme/ rated current 0,3A...63A)
5SY52..-. (2 Pole)
5SY72..-. (2 Pole)
5SY45..-. (1 Pole + N Pole Nennströme/ rated current 0,3A...63A)
5SY75..-. (1 Pole + N Pole)

5SY43..-. (3 Pole Nennströme/ rated current 0,3A...63A)
5SY73..-. (3 Pole)

5SY44..-. (4 Pole Nennströme/ rated current 0,3A...63A)
5SY54..-. (4 Pole)
5SY74..-. (4 Pole)
5SY46..-. (3 Pole + N Pole Nennströme/ rated current 0,3A...63A)
5SY76..-. (3 Pole + N Pole)

Bei dieser Bescheinigung handelt es sich nicht um eine Garantie im Rechtssinne, insbesondere Garantien im Sinne der §§ 443, 444 BGB oder § 639 BGB.
This certificate does not constitute a guarantee in the legal sense as it is defined by law, in particular in section 443, 444 or 639 of the German Civil Code (BGB).

Siemens Aktiengesellschaft

i.V. P. Weiss

Peter Weiss
Entwicklung/ Research & Development

i.V. Bauer

Bernhard Bauer
Qualität/ Quality

Anhang: 4 Seite(n)

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List of important properties, fire protection

Date: 10.08.2018

Appendix to Certificate No.: 7599

Siemens AG
Low Voltage and Products
Siemensstraße 10
93055 Regensburg

Name: Stephan Irrgang
Department: EM LP QM SQM

Device Component: Miniature Circuit Breaker

Overview and Order No.

1 pole (= 1 x 1 pole)
Order No.: 5SY41..-./ 5SY51..-./ 5SY71..-.

1 pole + N pole (= 2 x 1 pole)
Order No.: 5SY45..-./ 5SY75..-.
2 poles (= 2 x 1 pole)
Order No.: 5SY42..-./ 5SY52..-./ 5SY72..-.

3 poles (= 3 x 1 pole)
Order No.: 5SY43..-./ 5SY73..-.

3 poles + N pole (= 4 x 1 pole)
Order No.: 5SY46..-./ 5SY76..-.
4 poles (= 4 x 1pole)
Order No.: 5SY44..-./ 5SY54..-./ 5SY74..-.

List of important properties, fire protection

Date: 10.08.2018

SIEMENS

Appendix to Certificate No.: 7599

Siemens AG
Low Voltage and Products
Siemensstraße 10
93055 Regensburg

Name: Stephan Irrgang
Department: EM LP QM SQM

Device Component: Miniature Circuit Breaker

Properties per 1 pole

Plastic Parts	Plastic-Material chemical abbreviated term	Weight [g] Σ 69 g	UL 94 Rating V0 63 g	EN45545-2 Requirement Set/ HL	Calorigrafic value all plastic parts of the device, fire load [MJ]	Yellow Card	Oxygen Index (OI) [%] EN ISO 4589-2	Smoke density Ds max EN ISO 5659-2 25kWm²	Smoke toxicity CITNLP (incl. NOx) NF X70-100-1&2 600°C
Case	FS UP (GF+DD)	35,6	V0	R26/ HL3		yes	39	*	*
Cover	FS UP (GF+DD)	26,7	V0	R26/ HL3		yes	39	*	*
Lever	FS PBT GF30	1,3[3]	HB	*		yes	20	*	*
Arc guiding plate	FS PA66	1,1[1]	V2	*		yes	27	*	*
Slider actuator	FS PA6 GK20	0,6[2]	HB	*		yes	*	*	*
Slider	FS PBT GF10	0,6[2]	HB	*		yes	19	*	*
Tripping lever	FS PES GF20	0,6	V0	R26/ HL 3		yes	44	*	*
Common trip arm	FS PBT GF50	0,5[4]	HB	*		yes	19	*	*
Pressure piece-insulation	FS PA6 GK20	0,2[2]	HB	*	0,8	yes	*	*	*
Armature sleeve	FS PBT GK20	0,3[1]	HB	*		yes	23	*	*
Blocking lever	FS PBT	0,2[3]	HB	*		no	20	*	*
Terminal insulation	FS PA6 GK20	0,2[2]	HB	*		yes	*	*	*
Latch	FS PES GF20	0,2	V0	R26/ HL3		yes	44	*	*
Slider actuator tie	FS PA66 GF50	0,2[2]	HB	*		yes	*	*	*
Position Indicator	FS PA66	0,1[3]	V2	*		yes	*	*	*
Latch lever	FS PBT GK20	0,1[4]	HB	*		yes	*	*	*
Connection insulation	FS PA6 GK20	0,1[2]	HB	*		yes	*	*	*

Remarks:

[1] DIN EN 45545-2:2016: No requirements apply to plastic parts with a mass of < 10g not in touching contact with another unclassified plastic part
[2] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,9g
[3] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,6g
[4] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 0,6g

* Data not available

List of important properties, fire protection

Date: 10.08.2018

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Appendix to Certificate No.: 7599

Siemens AG
Low Voltage and Products
Siemensstraße 10
93055 Regensburg

Name: Stephan Irrgang
Department: EM LP QM SQM

Device Component: Miniature Circuit Breaker

Summary of properties

1 pole (= 1 x 1 pole)
Fire load: 0,8 MJ
Remark [2]: Mass of all unclassified plastic parts (in contact): 1,9g
Remark [3]: Mass of all unclassified plastic parts (in contact): 1,6g
Remark [4]: Mass of all unclassified plastic parts (in contact): 0,6g

1 pole + N pole/ 2 poles (= 2 x 1 pole)
Fire load: 1,6 MJ
Remark [2]: Mass of all unclassified plastic parts (in contact): 3,8g
Remark [3]: Mass of all unclassified plastic parts (in contact): 3,2g
Remark [4]: Mass of all unclassified plastic parts (in contact): 1,2g

3 poles (= 3 x 1 pole)
Fire load: 2,4 MJ
Remark [2]: Mass of all unclassified plastic parts (in contact): 5,7g
Remark [3]: Mass of all unclassified plastic parts (in contact): 4,8g
Remark [4]: Mass of all unclassified plastic parts (in contact): 1,8g

3 poles + N pole/ 4 poles (= 4 x 1 pole)
Fire load: 3,2 MJ
Remark [2]: Mass of all unclassified plastic parts (in contact): 7,6g
Remark [3]: Mass of all unclassified plastic parts (in contact): 6,4g
Remark [4]: Mass of all unclassified plastic parts (in contact): 2,4g

List of important properties, fire protection

Date: 10.08.2018

Appendix to Certificate No.: 7599

Siemens AG
Low Voltage and Products
Siemensstraße 10
93055 Regensburg

Name: Stephan Irrgang
Department: EM LP QM SQM

Device Component: Miniature Circuit Breaker

Disclaimer

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Name: Norbert Brehm
Department: EM LP PRM CP M&S

Name: Stephan Irrgang
Department: EM LP QM SQM

Siemens Aktiengesellschaft

SIEMENS

Date: 13.08.2018

Guideline for the document No.:7599

Contents: Miniature Circuit Breaker

1.) 1 pole

- ð Characteristic A, B, C, D
- ð Rated current 0,3A…63A
- ð U_e=230V

ð Order No. 5SY41..-./ 5SY51..-./ 5SY71..-.

2.) A) 1 pole + N pole

- ð Characteristic A, B, C, D
- ð Rated current 0,3A…63A
- ð U_e=230V

ð Order No. 5SY45..-./ 5SY75..-.

B) 2 poles

- ð Characteristic A, B, C, D
- ð Rated current 0,3A…63A
- ð U_e=400V

ð Order No. 5SY42..-./ 5SY52..-./ 5SY72..-.

3.) 3 poles

- ð Characteristic A, B, C, D
- ð Rated current 0,3A…63A
- ð U_e=400V

ð Order No. 5SY43..-./ 5SY73..-.

4.) A) 3 pole + N pole

- ð Characteristic A, B, C, D
- ð Rated current 0,3A…63A
- ð U_e=400V

ð Order No. 5SY46..-./ 5SY76..-.

B) 4 poles

- ð Characteristic A, B, C, D
- ð Rated current 0,3A…63A
- ð U_e=400V

ð Order No. 5SY44..-./ 5SY54..-./ 5SY74..-.

EN45545 - 1

3 Terms and definitions (only the relevant definitions)

3.15 exposed area

Facing made of combustible material which could potentially be directly exposed to an ignition source according to 4.2 and 4.3 [DIN EN 45545-1:2013-08]

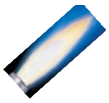
Siemens explanation 3.15

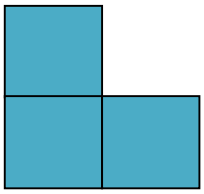
The exposed area is the worst case scenario. We calculate the exposed are with 3 sides, for example one edge

front side

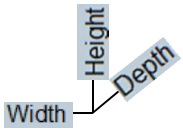
left or right side

bottom side





Siemens explanation 3.15



1.) 1 pole

Height	90mm	left side	90mm x 70mm = 6.300 mm²
Width	18mm	frond side	90mm x 18mm =1.620 mm²
Depth	70mm	bottom side	70mm x 18mm =1.260 mm²
			9.180 mm²

This single product has an exposed area from **0,00918m²**

2.) 2 poles

Height	90mm	left side	90mm x 70mm = 6.300mm²
Width	36mm	front side	90mm x 36mm = 3.240mm²
Depth	70mm	bottom side	70mm x 36mm = 2.520mm²
			12.060mm²

This single product has an exposed area from **0,012060m²**

3.) 3 poles

Height	90mm	left side	90mm x 70mm = 6.300mm²
Width	54mm	front side	90mm x 54mm = 4.860mm²
Depth	70mm	bottom side	70mm x 54mm = 3.780mm²
			14.940mm²

This single product has an exposed area from **0,014940m²**

4.) 4 poles

Height	90mm	left side	90mm x 70mm = 6.300mm²
Width	72mm	front side	90mm x 72mm = 6.480mm²
Depth	70mm	bottom side	70mm x 72mm = 5.040mm²
			17.820mm²

This single product has an exposed area from **0,017820m²**

3.28 high power circuit
circuit with a rated power greater **than 20 kW,** e.g. supply line, traction circuit and high power auxiliary supplies [DIN EN 45545-1:2013-08]

Siemens explanation 3.28

1.) – 4.) 1 to 4 poles

Some types of breakers can be used in high power circuits greater than 20 kW.

3.33 listed product
any product which is listed in EN 45545-2:2016, Table 2 [DIN EN 45545-1:2013-08]

Product No	Name	Details	Require-ment
E	Electrotechnical equipment		
EL10	Small electrotechnical products	Examples include low power circuit breakers, overload relays, contactors, contactor relay, switches, control or signalling switches, terminals, fuses	R26

Short name of requirement set (used for)	Test method reference	Parameter Unit	Maximum or Minimum	HL1	HL2	HL3
R26 (EL10)	T17 EN 60695-11-10	Vertical small flame test	Minimum	V0	V0	V0

Siemens explanation 3.33

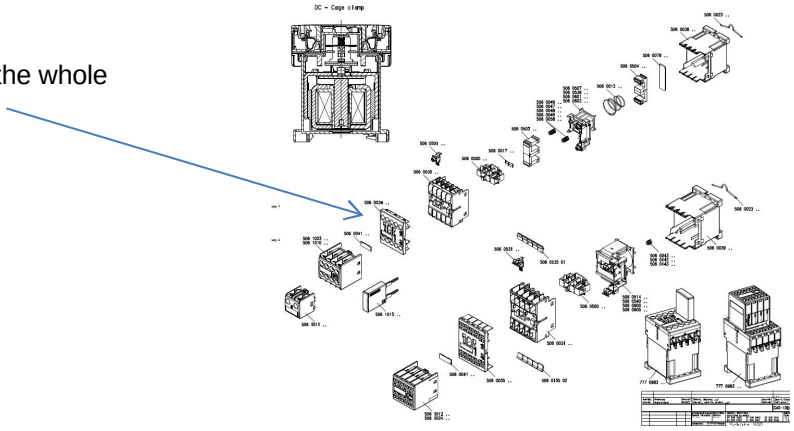
1.) – 4.) 1 to 4 poles

- E = electro technical equipment
- EL10 = small electrical products
- Details = “circuit breakers”
- Requirement = R26

3.40 Material
single basic substance or uniformly dispersed mixture e. g. metal, stone, wood, concrete, mineral wool with uniformly dispersed binder, polymers. [DIN EN 45545-1:2013-08]

Siemens explanation 3.40

Single material is one part of the whole product.



3.41 non-listed product
any product which is not listed in EN 45545-2:2016-02, Table 2

Siemens explanation 3.41

The components are listed products (3.33 listed product) for example the UL94 Class V0 products/ materials.

ð Non listed products are material/parts from the components (Circuit breaker) aren´t UL94 V0

3.47 products
the material or assembly about which information is required [DIN EN 45545-1:2013-08]

Siemens explanation 3.47

1.) – 4.) 1 to 4 poles

ð Annex to document number No.:7599

Plastic Parts	Plastic-Material chemical abbreviated term	Weight [g] Σ 69 g	UL 94 Rating V0 63 g	EN45545-2 Requirement Set/ HL	Calorigrafic value all plastic parts of the device, fire load [MJ]	Yellow Card	Oxygen Index (OI) [%] EN ISO 4589-2	Smoke density Ds max EN ISO 5659-2 25kWm²	Smoke toxicity CITNLP (incl. NOx) NF X70-100-1&2 600°C
Case	FS UP (GF+DD)	35,6	V0	R26/ HL3		yes	39	*	*
Cover	FS UP (GF+DD)	26,7	V0	R26/ HL3		yes	39	*	*
Lever	FS PBT GF30	1,3[3]	HB	*		yes	20	*	*
Arc guiding plate	FS PA66	1,1[1]	V2	*		yes	27	*	*
Slider actuator	FS PA6 GK20	0,6[2]	HB	*		yes	*	*	*
Slider	FS PBT GF10	0,6[2]	HB	*		yes	19	*	*
Tripping lever	FS PES GF20	0,6	V0	R26/ HL 3		yes	44	*	*
Common trip arm	FS PBT GF50	0,5[4]	HB	*		yes	19	*	*
Pressure piece-insulation	FS PA6 GK20	0,2[2]	HB	*	0,8	yes	*	*	*
Armature sleeve	FS PBT GK20	0,3[1]	HB	*		yes	23	*	*
Blocking lever	FS PBT	0,2[3]	HB	*		no	20	*	*
Terminal insulation	FS PA6 GK20	0,2[2]	HB	*		yes	*	*	*
Latch	FS PES GF20	0,2	V0	R26/ HL3		yes	44	*	*
Slider actuator tie	FS PA66 GF50	0,2[2]	HB	*		yes	*	*	*
Position Indicator	FS PA66	0,1[3]	V2	*		yes	*	*	*
Latch lever	FS PBT GK20	0,1[4]	HB	*		yes	*	*	*
Connection insulation	FS PA6 GK20	0,1[2]	HB	*		yes	*	*	*

Remarks:
[1] DIN EN 45545-2:2016: No requirements apply to plastic parts with a mass of < 10g not in touching contact with another unclassified plastic part
[2] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,9g
[3] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,6g
[4] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 0,6g

* Data not available

EN45545 - 2

4.2 General
The following principles are applicable to all products:

n) if listed products are used in an application below the mass and area thresholds given in 4.3, they <u>may be</u> treated as non-listed products. [DIN EN 45545-1:2013-08]

Siemens explanation 4.2 n)

1.) – 4.) 1 to 4 poles

ð Annex to document number No.:7599

a.) Remark 1:

Plastic Parts	Plastic-Material chemical abbreviated term	Weight [g] Σ 69 g	UL 94 Rating V0 63 g	EN45545-2 Requirement Set/ HL	Calorigrafic value all plastic parts of the device, fire load [MJ]	Yellow Card	Oxygen Index (OI) [%] EN ISO 4589-2	Smoke density Ds max EN ISO 5659-2 25kWm²	Smoke toxicity CITNLP (incl. NOx) NF X70-100-1&2 600°C
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Cover	FS UP (GF+DD)	26,7	V0	R26/ HL3		yes	39	*	*
Lever	FS PBT GF30	1,3[3]	HB	*		yes	20	*	*
Arc guiding plate	FS PA66	1,1[1]	V2	*		yes	27	*	*
Slider actuator	FS PA6 GK20	0,6[2]	HB	*		yes	*	*	*
Slider	FS PBT GF10	0,6[2]	HB	*		yes	19	*	*
Tripping lever	FS PES GF20	0,6	V0	R26/ HL 3		yes	44	*	*
Common trip arm	FS PBT GF50	0,5[4]	HB	*		yes	19	*	*
Pressure piece-insulation	FS PA6 GK20	0,2[2]	HB	*	0,8	yes	*	*	*
Armature sleeve	FS PBT GK20	0,3[1]	HB	*		yes	23	*	*
Blocking lever	FS PBT	0,2[3]	HB	*		no	20	*	*
Terminal insulation	FS PA6 GK20	0,2[2]	HB	*		yes	*	*	*
Latch	FS PES GF20	0,2	V0	R26/ HL3		yes	44	*	*
Slider actuator tie	FS PA66 GF50	0,2[2]	HB	*		yes	*	*	*
Position Indicator	FS PA66	0,1[3]	V2	*		yes	*	*	*
Latch lever	FS PBT GK20	0,1[4]	HB	*		yes	*	*	*
Connection insulation	FS PA6 GK20	0,1[2]	HB	*		yes	*	*	*

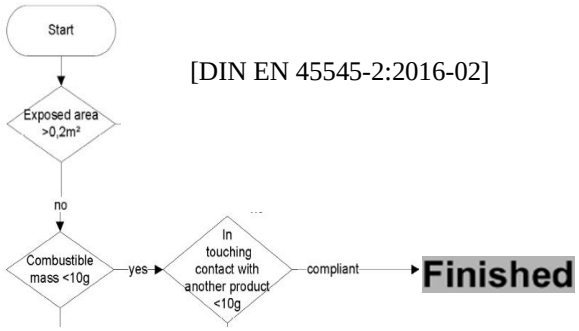
Remarks:
[1] DIN EN 45545-2:2016: No requirements apply to plastic parts with a mass of < 10g not in touching contact with another unclassified plastic part
[2] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,9g
[3] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,6g
[4] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 0,6g

* Data not available

Arc guiding plate 1,1g
Armature sleeve 0,3g

Each part is <u>not</u> in touching contact with another unclassified plastic part

[DIN EN 45545-2:2016-02] No requirements apply to plastic parts with a mass of < 10 g not in touching contact with another unclassified plastic part



[DIN EN 45545-2:2016-02]

b.) Remark 2:

Plastic Parts	Plastic-Material chemical abbreviated term	Weight [g] Σ 69 g	UL 94 Rating V0 63 g	EN45545-2 Requirement Set/ HL	Calorigrafic value all plastic parts of the device, fire load [MJ]	Yellow Card	Oxygen Index (OI) [%] EN ISO 4589-2	Smoke density Ds max EN ISO 5659-2 25kWm²	Smoke toxicity CITNLP (incl. NOx) NF X70-100-1&2 600°C
Case	FS UP (GF+DD)	35,6	V0	R26/ HL3		yes	39	*	*
Cover	FS UP (GF+DD)	26,7	V0	R26/ HL3		yes	39	*	*
Lever	FS PBT GF30	1,3[3]	HB	*		yes	20	*	*
Arc guiding plate	FS PA66	1,1[1]	V2	*		yes	27	*	*
Slider actuator	FS PA6 GK20	0,6[2]	HB	*		yes	*	*	*
Slider	FS PBT GF10	0,6[2]	HB	*		yes	19	*	*
Tripping lever	FS PES GF20	0,6	V0	R26/ HL 3		yes	44	*	*
Common trip arm	FS PBT GF50	0,5[4]	HB	*		yes	19	*	*
Pressure piece-insulation	FS PA6 GK20	0,2[2]	HB	*	0,8	yes	*	*	*
Armature sleeve	FS PBT GK20	0,3[3]	HB	*		yes	23	*	*
Blocking lever	FS PBT	0,2[3]	HB	*		no	20	*	*
Terminal insulation	FS PA6 GK20	0,2[2]	HB	*		yes	*	*	*
Latch	FS PES GF20	0,2	V0	R26/ HL3		yes	44	*	*
Slider actuator tie	FS PA66 GF50	0,2[2]	HB	*		yes	*	*	*
Position Indicator	FS PA66	0,1[3]	V2	*		yes	*	*	*
Latch lever	FS PBT GK20	0,1[4]	HB	*		yes	*	*	*
Connection insulation	FS PA6 GK20	0,1[2]	HB	*		yes	*	*	*

Remarks:
[1] DIN EN 45545-2:2016: No requirements apply to plastic parts with a mass of < 10g not in touching contact with another unclassified plastic part
[2] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,9g
[3] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,6g
[4] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 0,6g

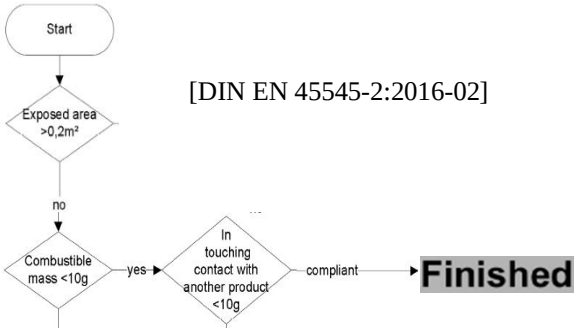
* Data not available

Group of insulation components and slider: (in contact in and between poles)

Slider Actuator	0,6g HB-material
Slider	0,6g HB-material
Pressure piece-insulation	0,2g HB-material
Terminal insulation	0,2g HB-material
Slider actuator tie	0,2g HB-material
Connection Insulation	0,1g HB-material

Mass of all unclassified plastic parts (in contact): 1,9g per pole à max.: 7,6g

[DIN EN 45545-2:2016-02] No requirements apply to plastic parts with a mass of < 10 g not in touching contact with another unclassified plastic part



[DIN EN 45545-2:2016-02]

c.) Remark 3:

Plastic Parts	Plastic-Material chemical abbreviated term	Weight [g] Σ 69 g	UL 94 Rating V0 63 g	EN45545-2 Requirement Set/ HL	Calorigrafic value all plastic parts of the device, fire load [MJ]	Yellow Card	Oxygen Index (OI) [%] EN ISO 4589-2	Smoke density Ds max EN ISO 5659-2 25kWm²	Smoke toxicity CITNLP (incl. NOx) NF X70-100-1&2 600°C
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Lever	FS PBT GF30	1,3[3]	HB	*		yes	20	*	*
Arc guiding plate	FS PA66	1,1[1]	V2	*		yes	27	*	*
Slider actuator	FS PA6 GK20	0,6[2]	HB	*		yes	*	*	*
Slider	FS PBT GF10	0,6[2]	HB	*		yes	19	*	*
Tripping lever	FS PES GF20	0,6	V0	R26/ HL 3		yes	44	*	*
Common trip arm	FS PBT GF50	0,5[2]	HB	*		yes	19	*	*
Pressure piece-insulation	FS PA6 GK20	0,2[2]	HB	*	0,8	yes	*	*	*
Armature sleeve	FS PBT GK20	0,3[1]	HB	*		yes	23	*	*
Blocking lever	FS PBT	0,2[3]	HB	*		no	20	*	*
Terminal insulation	FS PA6 GK20	0,2[2]	HB	*		yes	*	*	*
Latch	FS PES GF20	0,2	V0	R26/ HL3		yes	44	*	*
Slider actuator tie	FS PA66 GF50	0,2[2]	HB	*		yes	*	*	*
Position Indicator	FS PA66	0,1[3]	V2	*		yes	*	*	*
Latch lever	FS PBT GK20	0,1[4]	HB	*		yes	*	*	*
Connection insulation	FS PA6 GK20	0,1[2]	HB	*		yes	*	*	*

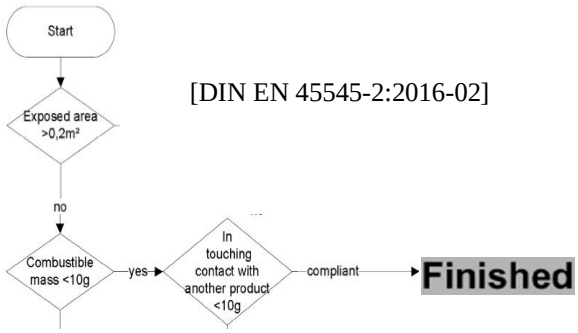
Remarks:
[1] DIN EN 45545-2:2016: No requirements apply to plastic parts with a mass of < 10g not in touching contact with another unclassified plastic part
[2] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,9g
[3] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,6g
[4] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 0,6g

* Data not available

Lever	1,3g
Blocking lever	0,2g
Position indicator	0,1g

Mass of all unclassified plastic parts (in contact): 1,6g per pole à max.: 6,4g

[DIN EN 45545-2:2016-02] No requirements apply to plastic parts with a mass of < 10 g not in touching contact with another unclassified plastic part



[DIN EN 45545-2:2016-02]

d.) Remark 4:

Plastic Parts	Plastic-Material chemical abbreviated term	Weight [g] Σ 69 g	UL 94 Rating V0 63 g	EN45545-2 Requirement Set/ HL	Calorigrafic value all plastic parts of the device, fire load [MJ]	Yellow Card	Oxygen Index (OI) [%] EN ISO 4589-2	Smoke density Ds max EN ISO 5659-2 25kWm²	Smoke toxicity CITNLP (incl. NOx) NF X70-100-1&2 600°C
Case	FS UP (GF+DD)	35,6	V0	R26/ HL3		yes	39	*	*
Cover	FS UP (GF+DD)	26,7	V0	R26/ HL3		yes	39	*	*
Lever	FS PBT GF30	1,3[3]	HB	*		yes	20	*	*
Arc guiding plate	FS PA66	1,1[1]	V2	*		yes	27	*	*
Slider actuator	FS PA6 GK20	0,6[2]	HB	*		yes	*	*	*
Slider	FS PBT GF10	0,6[2]	HB	*		yes	19	*	*
Tripping lever	FS PES GF20	0,6	V0	R26/ HL 3		yes	44	*	*
Common trip arm	FS PBT GF50	0,5[4]	HB	*		yes	19	*	*
Pressure piece-insulation	FS PA6 GK20	0,2[2]	HB	*	0,8	yes	*	*	*
Armature sleeve	FS PBT GK20	0,3[1]	HB	*		yes	23	*	*
Blocking lever	FS PBT	0,2[3]	HB	*		no	20	*	*
Terminal insulation	FS PA6 GK20	0,2[2]	HB	*		yes	*	*	*
Latch	FS PES GF20	0,2	V0	R26/ HL3		yes	44	*	*
Slider actuator tie	FS PA66 GF50	0,2[2]	HB	*		yes	*	*	*
Position Indicator	FS PA66	0,1[3]	V2	*		yes	*	*	*
Latch lever	FS PBT GK20	0,1[4]	HB	*		yes	*	*	*
Connection insulation	FS PA6 GK20	0,1[2]	HB	*		yes	*	*	*

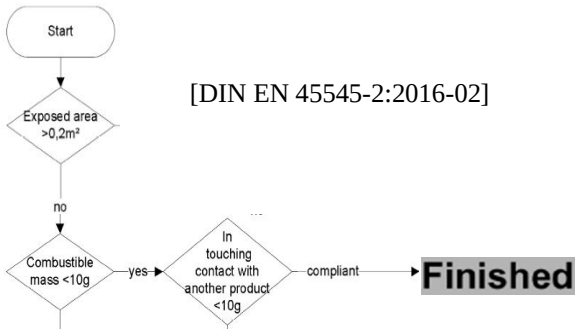
Remarks:
[1] DIN EN 45545-2:2016: No requirements apply to plastic parts with a mass of < 10g not in touching contact with another unclassified plastic part
[2] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,9g
[3] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 1,6g
[4] DIN EN 45545-2:2016: Mass of all unclassified plastic parts (in contact) – per pole: 0,6g

* Data not available

Common trip arm 0,5g
Latch lever 0,1g

Mass of all unclassified plastic parts (in contact): 0,6g per pole à max.: 2,4g

[DIN EN 45545-2:2016-02] No requirements apply to plastic parts with a mass of < 10 g not in touching contact with another unclassified plastic part



[DIN EN 45545-2:2016-02]