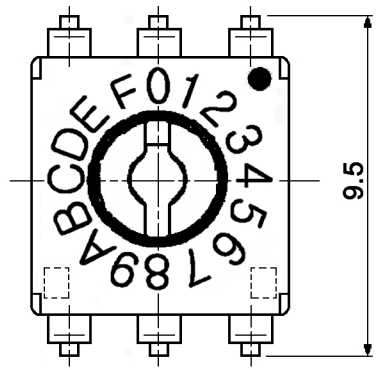
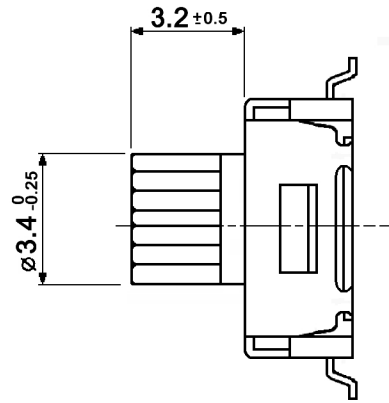


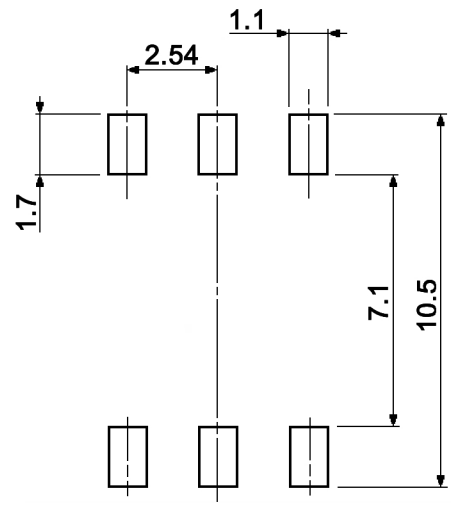
YM = date code



| Y | Manufacturing year |
|---|--------------------|
| 8 | 2008 |
| 9 | 2009 |
| 0 | 2010 |
| 1 | 2011 |
| 2 | 2012 |

| M | Manufacturing month |
|-----|---------------------|
| 1 | January |
| ... | ... |
| 9 | September |
| 0 | October |
| N | November |
| D | December |

SURFACE MOUNT PAD LAYOUT



Compliance: RohS III (2015/863/EU)

| | | | |
|---------------|-------|------|-----------------------------------|
| Tolerances: | Date | Name | SMR 13110/13116/14016/14110/14116 |
| | 10/22 | dr | |
| | | | knitter-switch |
| | | | |
| | | | 30 49 03 |
| | | | |
| Modifications | Date | Name | Page |
| | | | 1/4 |

Specifications:

Contact rating: max.: non-switching: 100mA, 50V DC
switching: 100mA, 5V DC
min.: 1µA, 20mV AC or DC

Contact resistance: 200mOhm max. at 1.5mA; 0.2mV AC (1kHz)

Insulation resistance: 1 000MOhm min. at 100V DC

Dielectric strength: 250V AC for 1 minute

Operating temperature: -40°C to +85°C

Storage temperature: -40°C to +85°C

Mechanical life: 20 000 cycles min.

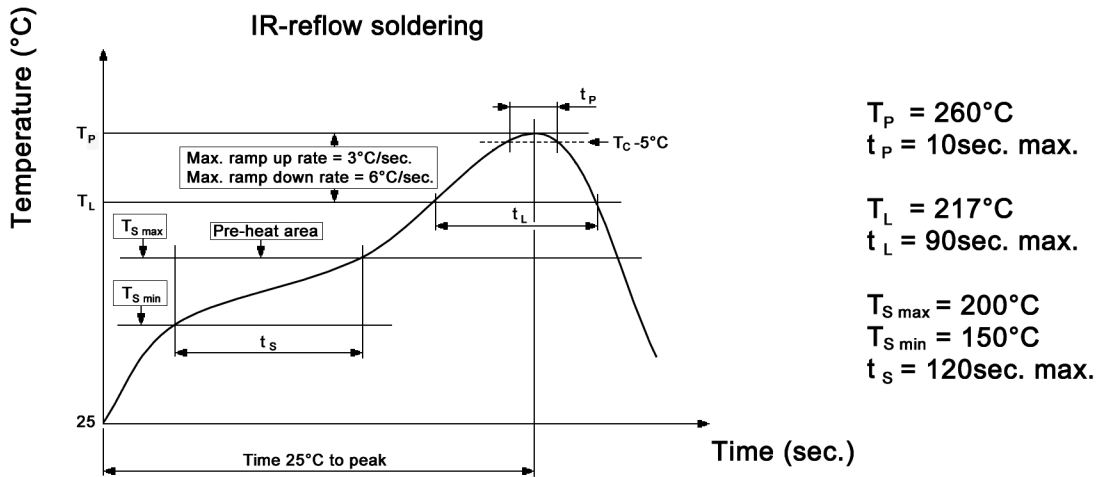
Operating force: 24.5mN.m max.

Contact system: self-cleaning sliding contacts

Sealing: by O-ring, washable by aqueous detergents and isopropyl alcohol

Material: Terminal: phosphor bronze, gold over nickel plated
Base: liquid crystal polymer, black
Frame: stainless steel
Rotor: polyamide resin
Fixed contact: phosphor bronze, gold over nickel plated
Movable contact: beryllium copper, gold over nickel plated

Soldering conditions:

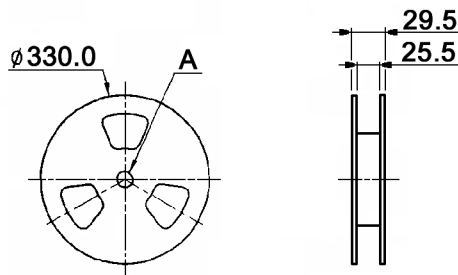


Compliance: RohS III (2015/863/EU)

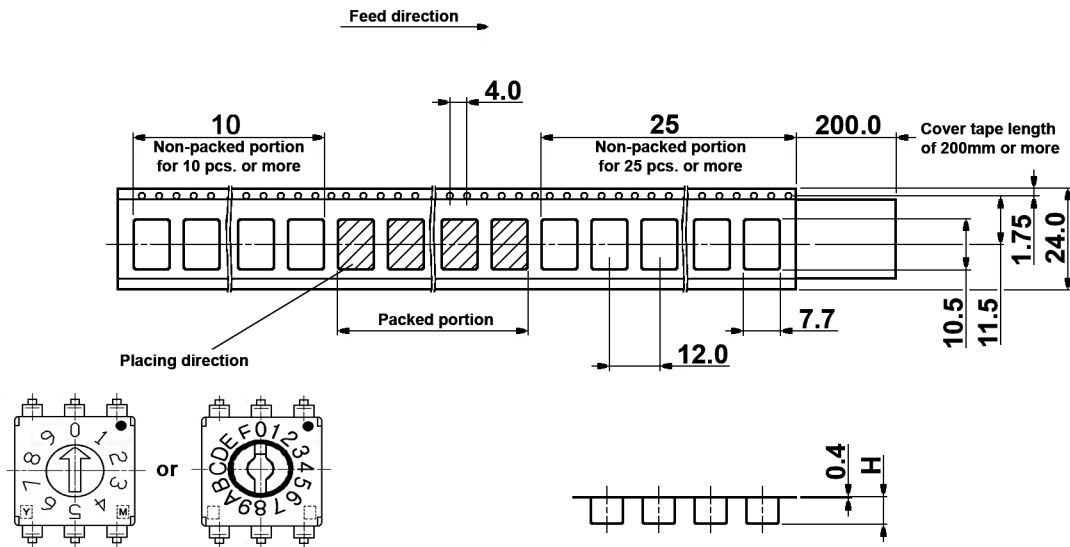
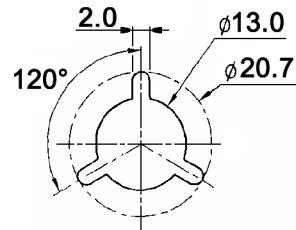
| | | | |
|---------------|-------|------|-----------------------------------|
| Tolerances: | Date | Name | SMR 13110/13116/14016/14110/14116 |
| | 10/22 | dr | |
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| | | | |
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| | | | 30 49 03 |
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| | | | 2/4 |
| Modifications | Date | Name | |

Packaging:

REEL



DETAIL A



| Series | H | Packaging unit |
|-----------|--------|------------------|
| SMR 13000 | 3.8 mm | 1000 pcs. / reel |
| SMR 14000 | 7.0 mm | 500 pcs. / reel |

Compliance: RohS III (2015/863/EU)

| | | | |
|---------------|-------|------|-----------------------------------|
| Tolerances: | Date | Name | SMR 13110/13116/14016/14110/14116 |
| | 10/22 | dr | |
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| | | | |
| Modifications | Date | Name | |

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| | | BCD | | | | |
|---|---|------------|---|---|---|---|
| | | Real coded | | | | |
| 10 P o s i t i o n s | | C | 1 | 2 | 4 | 8 |
| | 0 | ● | | | | |
| | 1 | ● | ● | | | |
| | 2 | ● | | ● | | |
| | 3 | ● | ● | ● | | |
| | 4 | ● | | | ● | |
| | 5 | ● | ● | | ● | |
| | 6 | ● | | ● | ● | |
| | 7 | ● | ● | ● | ● | |
| | 8 | ● | | | | ● |
| 9 | ● | ● | | | ● | |

| | | Hexadecimal | | | | |
|---|---|-------------|---|---|---|---|
| | | Real coded | | | | |
| 16 P o s i t i o n s | | C | 1 | 2 | 4 | 8 |
| | 0 | ● | | | | |
| | 1 | ● | ● | | | |
| | 2 | ● | | ● | | |
| | 3 | ● | ● | ● | | |
| | 4 | ● | | | ● | |
| | 5 | ● | ● | | ● | |
| | 6 | ● | | ● | ● | |
| | 7 | ● | ● | ● | ● | |
| | 8 | ● | | | | ● |
| | 9 | ● | ● | | | ● |
| | A | ● | | ● | | ● |
| | B | ● | ● | ● | | ● |
| | C | ● | | | ● | ● |
| | D | ● | ● | | ● | ● |
| | E | ● | | ● | ● | ● |
| F | ● | ● | ● | ● | ● | |

| | | BCD inverse | | | | |
|---|---|------------------|---|---|---|---|
| | | Complement coded | | | | |
| 10 P o s i t i o n s | | C | 1 | 2 | 4 | 8 |
| | 0 | ● | ● | ● | ● | ● |
| | 1 | ● | | | | ● |
| | 2 | ● | ● | | | ● |
| | 3 | ● | | | ● | ● |
| | 4 | ● | ● | ● | | ● |
| | 5 | ● | | ● | | ● |
| | 6 | ● | ● | | | ● |
| | 7 | ● | | | | ● |
| | 8 | ● | ● | ● | ● | |
| 9 | ● | | ● | ● | | |

| | | Hexadecimal inverse | | | | |
|---|---|---------------------|---|---|---|---|
| | | Complement coded | | | | |
| 16 P o s i t i o n s | | C | 1 | 2 | 4 | 8 |
| | 0 | ● | ● | ● | ● | ● |
| | 1 | ● | | ● | | ● |
| | 2 | ● | ● | | | ● |
| | 3 | ● | | | ● | ● |
| | 4 | ● | ● | ● | | ● |
| | 5 | ● | | ● | | ● |
| | 6 | ● | ● | | | ● |
| | 7 | ● | | | | ● |
| | 8 | ● | ● | ● | ● | |
| | 9 | ● | | ● | ● | |
| | A | ● | ● | | ● | |
| | B | ● | | | ● | |
| | C | ● | ● | ● | | |
| | D | ● | | ● | | |
| | E | ● | ● | | | |
| F | ● | | | | | |

| Ordering code | Actuation | Code | Packing |
|---------------|--------------|----------------------|---------------|
| SMR 14016 | shaft | 16 pos. real, ivory | 65 pcs/tube |
| SMR 14016 T | shaft | 16 pos. real, ivory | 500 pcs/reel |
| SMR 13110 | screw driver | 10 pos. inverse, red | 65 pcs/tube |
| SMR 13110 T | screw driver | 10 pos. inverse, red | 1000 pcs/reel |
| SMR 14110 | shaft | 10 pos. inverse, red | 65 pcs/tube |
| SMR 14110 T | shaft | 10 pos. inverse, red | 500 pcs/reel |
| SMR 13116 | screw driver | 16 pos. inverse, red | 65 pcs/tube |
| SMR 13116 T | screw driver | 16 pos. inverse, red | 1000 pcs/reel |
| SMR 14116 | shaft | 16 pos. inverse, red | 65 pcs/tube |
| SMR 14116 T | shaft | 16 pos. inverse, red | 500 pcs/reel |

Compliance: RohS III (2015/863/EU)

| | | | |
|---------------|-------|------|-----------------------------------|
| Tolerances: | Date | Name | SMR 13110/13116/14016/14110/14116 |
| | 10/22 | dr | |
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| Modifications | Date | Name | |

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