Datasheet - TF 232-20

Foot switch / F 232

SCHMERSAL

(Minor differences between the printed image and the original product may exist!)

- 2 Contacts
- Metal enclosure
- single-pedal types
- High level of stability
- Cable entry M 20 x 1.5
- Low operating height of pedal
- Also available as safety foot switch

Ordering details

Product type description	TF 232-20
Article number	101181524
EAN Code	4030661326207
eCl@ss	27-37-12-18

Approval

Approval	CCC
	USA/CAN

Global Properties

Permanent light	F 232
Standards	EN 60947-5-1, DIN VDE 0660-200, BG-GS-ET-15
Compliance with the Directives (Y/N) CE	Yes
Suitable for safety functions (Y/N)	No
Materials	
- Material of the housings	Aluminium
- Material of the cover	Aluminium
- Material of the protective shield	Aluminium
- Material of the pedal	Plastic, glass-fibre reinforced thermoplastic
Housing coating	powder-coated
Colouring	
- Enclosure color	RAL 9006 (White aluminum)
Weight	1100
with start/stop function (Y/N)	No
Suitable for EMERGENCY-OFF (Y/N)	No

| Protection hood (Y/N) | No |
| 3-phase actuation with pressure point (Y/N) | No |

Mechanical data

Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	
- Max. Cable section	1 x 2.5
Mechanical life	> 1.000.000 operations
notice	All indications about the cable section are including the conductor ferrules.
Latching (Y/N)	No
Probing possible (Y/N)	Yes

Ambient conditions

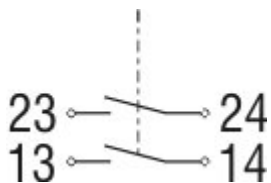| Ambient temperature | |
- Min. environmental temperature	−25
- Max. environmental temperature	+70
Protection type IP	IP65 to IEC/EN 60529

Electrical data

Design of control element	Normally open contact (NO)
Switching principle	Slow action
Number of shutters	2
Number of openers	0
Rated impulse withstand voltage U_{imp}	6 kV
Rated insulation voltage U_i	500 V
Thermal test current I_{the}	10 A
Utilisation category	AC-15: 230 V / 4 A, DC-13: 24 V / 1 A
Max. fuse rating	6 A gG D-fuse

Dimensions

| Dimensions | |
- Width	170 mm
- Height	189 mm
- Depth	274 mm

Diagram

Note Diagram

 positive break NC contact

 active

 no active

 Normally-open contact

○─┴─○ Normally-closed contact

Ordering code

(1)F**(2)** 232-**(3)**-**(4)**

(1)

T	Slow action
Z	Snap action

(2)

without	without Protective shield
H	with Protective shield

(3)

11	1 Normally open contact (NO) / 1 Opener (NC)
02	2 Opener (NC)
20	2 Normally open contact (NO)
22	2 Normally open contact (NO) / 2 Opener (NC)
04	4 Opener (NC)
40	4 Normally open contact (NO)

(4)

HD	3-phase actuation with pressure point
F	with start/stop function

Documents

Operating instructions and Declaration of conformity (da) 259 kB, 07.08.2012
Code: mrl_f232_da

Operating instructions and Declaration of conformity (it) 736 kB, 04.08.2010
Code: mrl_f232_it

Operating instructions and Declaration of conformity (jp) 925 kB, 16.12.2010
Code: mrl_f232_jp

Operating instructions and Declaration of conformity (pl) 278 kB, 01.08.2014
Code: mrl_f232_pl

Operating instructions and Declaration of conformity (fr) 734 kB, 04.08.2010
Code: mrl_f232_fr

Operating instructions and Declaration of conformity (cs) 260 kB, 12.03.2012
Code: mrl_f232_cs

Operating instructions and Declaration of conformity (nl) 740 kB, 04.08.2010
Code: mrl_f232_nl

Operating instructions and Declaration of conformity (pt) 273 kB, 05.01.2015
Code: mrl_f232_pt

Operating instructions and Declaration of conformity (en) 319 kB, 15.12.2016
Code: mrl_f232_en

Operating instructions and Declaration of conformity (en) 488 kB, 11.05.2010
Code: mrl_f232_en

Operating instructions and Declaration of conformity (de) 324 kB, 15.12.2016
Code: mrl_f232_de

Operating instructions and Declaration of conformity (es) 728 kB, 04.08.2010
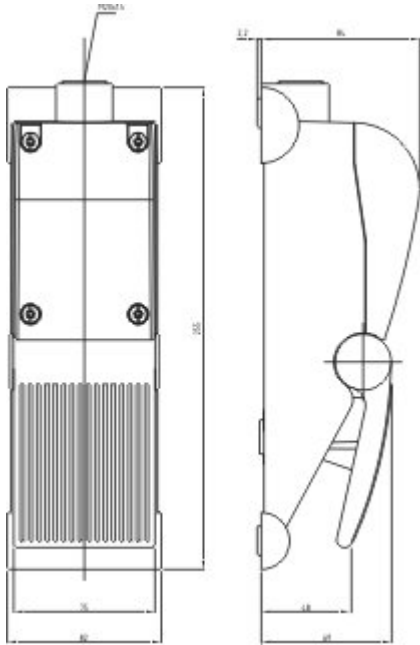Code: mrl_f232_es

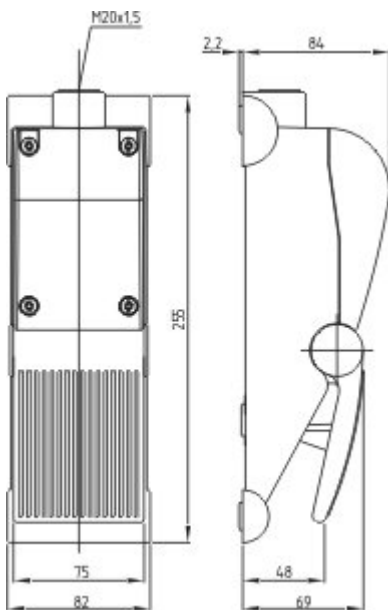**CCC certification** (en) 975 kB, 24.05.2016
Code: q_455p02
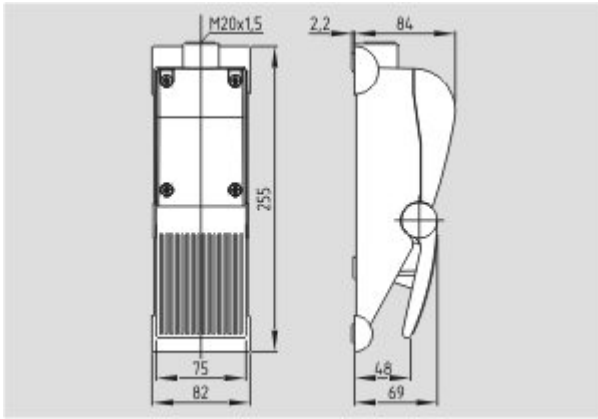
CCC certification (cn) 948 kB, 24.05.2016
Code: q_455p03

Images

Dimensional drawing (basic component)

Dimensional drawing (basic component)

Dimensional drawing (basic component)