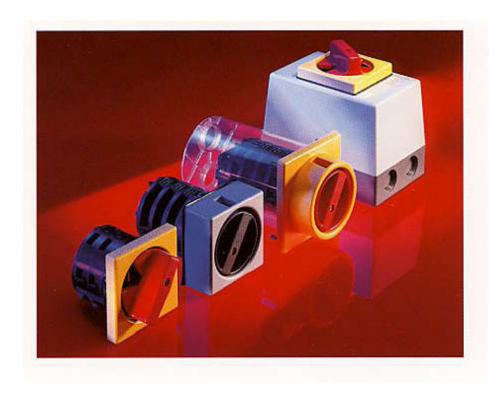
Motor protection switches M16 – 20A Main switches S25 – 25A



DISA AG Sarnen Kägiswilerstrasse 33 CH-6060 Sarnen Tel. 041 666 70 50 Fax 041 666 70 49 info@disa.ch www.disa.ch



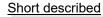
Motor protection switches M16 – 20A / Main switches S25 – 25A



Remark examples

Switch type M 1611 KV 6.3 T2

Motor protection switch, 2-pole, single pole with thermal protection



DISA compact switches are available as motor protection, main, load disconnecting switches.

DISA motor protection switches M16 are compact switches with built-in thermal release, available with or without electromagnetic quick release.

DISA **main switches S25** are compact switches without built-in electromagnetic quick release.

Electrical characteristics: 20A rated current for type M16 or 25A rated current for type S25 at 400 V[~]. 14 adjustment ranges available from 0.63A to 20A.

All switch types are available in 4 different front designs:

Flat front - light grey front panel with dark grey rotary knob or yellow front panel with red rotary knob.

Protective collar - same colour combinations as flat front design.

The protective collar prevents accidental operation of the rotary knob and can be fitted with up to 3 padlocks.



Switch type M 1620 QV 2.5 T2 A1 P

Motor protection switches, 2-pole, thermal protection, operating current release, IP 54



Switch type M 1630 FV 12.5 T1 M H3 U5 N Z

Motor protection switch, 3-pole, thermal/magnetic protection, auxiliary contact, under voltage release, neutral conductor terminal and centre connection



Main switch with terminal cover



Switch type M 1630 EV 2.5 T2 M H3 U4 N

Motor protection switch, 3-pole, all poles with thermal/magnetic protection, auxiliary contact, under voltage release, neutral conductor terminal

M16-RSQ

Dust cover including yellow front panel and red knob, with rubber seal



Switch type M 1630 BV 4.0 T2

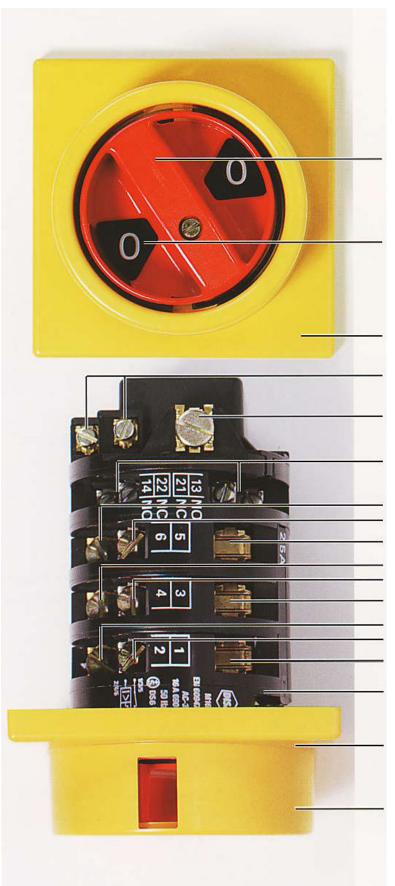
Main switch, 3-pole, all poles with thermal protection

M16-GEHP

Plastic enclosure IP 54



Switch connections



Rotary knob, axial adjustment, clear and easily-visible position indicator, dark grey or red

 1
 0
 display
 1
 0

 0
 1
 on request no extra cost
 off on

Front panel or protective collar, light grey or yellow

Under voltage release * or operating current release

Terminal for neutral conductor *

Auxiliary contacts * 6A, 230V ~ 4A, 400V ~

Output 6 Main connection 5

Centre connection * W 6

Output 4
Main connection 3
Centre connection * V 4

Output 2 Main connection 1

Centre connection * U 2

Terminal for protective conductor

Protective collar, yellow or light grey, for fitting up to 3 padlocks

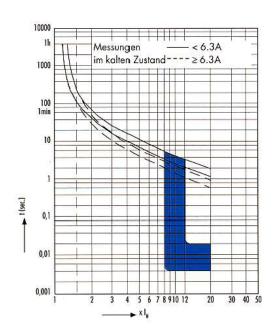
Front panel protection class. IP 40 or IP 54 respectively * with additional rubber seal (splash water protection)

*Option subject to extra charge



Electrical characteristics

Release characteristics



measures in cold condition

Electrical characteristics

< 6.3A > 6.3A	sluggish release quick release sluggish releases are available on request for the ranges 9.0A to 16.0A
20A / 690V 25A / 690V	category of use AC 3 without over current release
mechanical operating life	50'000 operations
disconnection capacity cos Ø 0.7, 500V	500A
disconnection time on short circuit	< 15 ms
M16 calibration at	20°

auxiliary contacts $\,$ 6A / 230V~, 4A / 400V~

no. of poles 1 to 3-poles, irrespective of

optional equipment

connection terminals max 2x6mm2

Weight of switch types

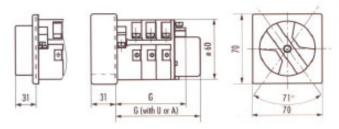
S2502 FV	200g
S2502 KV	210g
S2503 FV	250g
M1630 FV 4.0	260g
M1630 FV 4.0M	290g
M1630 FV 4.0M with H1, H2 or H3	320g
M1630 FV 4.0M with H1, U1 or A1	385g

Back-up fuses

Adjustment range in A Higher range used for ordering	M16 no magnetic quick release Back-up	M16 with magnetic quick release Back-up fuse in 230/400V~ a.c. 690V~ a.c.		
0.063 - 0.1 T2M 0.1 - 0.16 T2M 0.16 - 0.25 T2M 0.25 - 0.4 T2M	only available with thermal and magnetic quick release	no back-up fuse required short-circuit 6A gG resistant 10A gG 25A gG 25A gG		
0.4 - 0.63 T2 0.63 - 1.0 T2 1.0 - 1.6 T2 1.6 - 2.5 T2 2.5 - 4.0 T2 4.0 - 6.3 T2 6.3 - 9.0 T1 (T2) 9.0 - 12.5 T1 (T2) 12.5 - 16.0 T1 (T2) 16.0 - 20.0 T1	2A gG 4A gG 6A gG 10A gG 10A gG 16A gG 20A gG 20A gG 25A gG 35A gG	25A gG 25A gG 25A gG 25A gG 35A gG 35A gG		



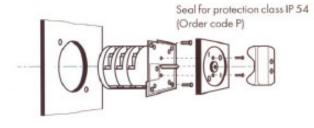
Dimensions, installation

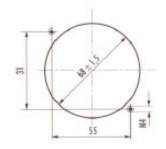


Basic type and options Basic | Auxiliary | Undervoltage

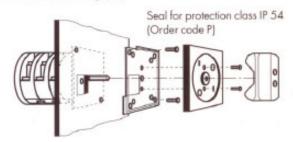
Basic	Auxiliary	Undervoltage	G (mm)		
type contacts	or operating current release	1 pole	2 pole	3 pole	
*	100,20		43	58	73
*	*		56	71	86
*		**	67	82	97
*.		*	54	69	84

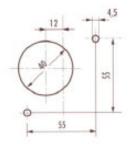
Front mounting (V)





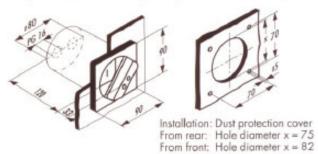
Rear mounting (R)



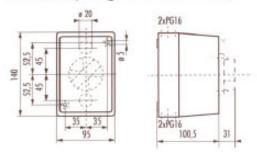




Dust protection cover (designation M16-RS)



Enclosure (designation M16-GEH)





Order example

