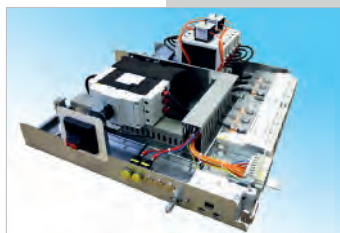


DRIESCHER

Low voltage - switchgear
Motor Control Center MCC

- tested for resistance to accidental arcing IEC 61641
- IEC 61439-1/2 tested



400 - 690 V
5000A

Moosburg • Eisleben

ELEKTROTECHNISCHE WERKE
FRITZ DRIESCHER & SÖHNE GMBH

D-85366 MOOSBURG • TEL. +49 87 61 6 81-0 • FAX +49 87 61 68 11 37
<http://www.driescher.com> infoservice@driescher.de



DRIESCHER - Low voltage - Motor Control Center MCC

Technical data

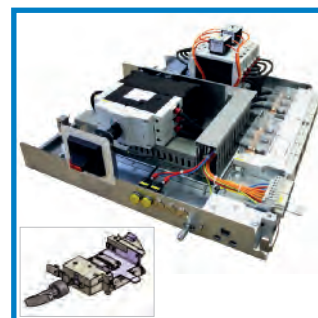
Degree of protection acc. to DIN EN 60529	up to IP 5X
Overvoltage category	III
Degree of pollution	3
Seperation acc. to IEC 61439-2	part 1 - 4b
Rated impulse withstand voltage U_{imp}	1 earthed
Rated current I_n	up to 5000 A
Rated voltage U_e	up to 690 V
Rated insulation voltage U_i	1000 V
Rated peak withstand current resistance I_{pk}	330 kA
Rated short-time current resistance I_{cw}	150 kA / 1s
Ambient temperature	-5° C up to +55° C
Ambient temperature (average value 24h)	35° C

Withdrawable unit types

Full withdrawable unit:

Safe connection with ease of use:

- all switching operations can only be operated, when door is closed
- the respective compartment door is only in disconnected position opening
- all withdrawable units are only in disconnected position removeable
- disconnection contact for incoming and outgoing circuits on both sides
- maloperation by use of guide frame coding impossible
- all withdrawable units can be exchanged while the switchgear is live
- coloured display indicates the switching status -
red = operating position, green = disconnected position, blue = test position
- control connector adapts to changing needs: up to 40-poles,
with additional bus contacting
- consistent operating with one universal operator lever



Minature withdrawable unit:

Compact withdrawable units up to 11 kW or 32 A:

- the operating and interlocking elements are the same as for full withdrawable units
- mechanical operating, test and disconnected position
- main switch with motor switching capacity, lockable
- consistent operating with one universal operator lever



DRIESCHER - Low voltage - Motor Control Center MCC

Motor Control Center MCC

Special features:

DRIESCHER Motor Control Center MCC according the latest regulations.

- type tested acc. to IEC 61439-1/2
- simple and universal operation for all withdrawable units
- maloperation by use of guide frame coding impossible
- operating position, test position, disconnecting position
- up to 5000 A
- different withdrawable units
- best quality and highest personnel and operating safety
- highest safety from the effects of arcing fault
- protection class up to IP 5x
- short delivery times because of the flexibility of the modular system
- all panels are mounted and wired in the factory and delivered ready for connection



Panel types:

1. Incoming feeder panel: Circuit-breaker in withdrawable-unit design or fixed-mounted (in mm)

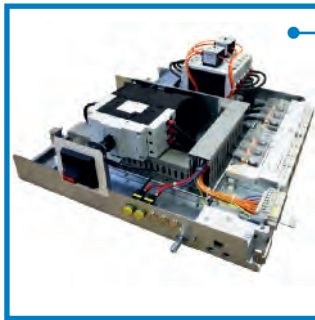
Components (3-pole)	panel width	max. configuration width	possible panel depth	possible panel height
on request	400	335	425, 625, 825, 1025	2000, 2200
ABB E1, 3WL BG1, Schneider NT16, more on request	500	435	425, 625, 825, 1025	2000, 2200
ABB E3, 3WL BG2, Schneider NW40, more on request	600	535	425, 625, 825, 1025	2000, 2200
ABB E4, 3WL BG3, Schneider NW40, more on request	850	785	425, 625, 825, 1025	2000, 2200
ABB E6, 3WL BG3, Schneider NW40, more on request	1000	935	425, 625, 825, 1025	2000, 2200
on request	1200	1135	425, 625, 825, 1025	2000, 2200

2. Multifunctional feeder panel: with withdrawable-unit design for motor starters and power feeder

- all full withdrawable units in separated compartments with separated doors
- up to four miniature withdrawable units per compartment
- PE-, N-, PEN busbar
- cable compartment 400 mm / 600 mm width
- cable entry point from top and bottom possible

DRIESCHER - Low voltage - Motor Control Center MCC

Motor Control Center MCC



full withdrawable unit, available in different dimensions



withdrawable unit, coloured display indicates switching status



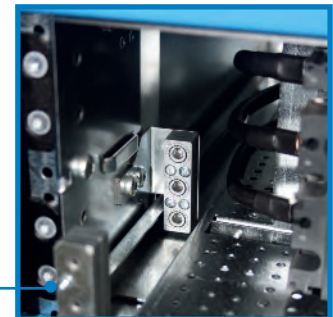
hinge 180° with locking for the mounting of the door (electric arc safe)



25-mm- and 12,5-mm perforation in all frame profiles



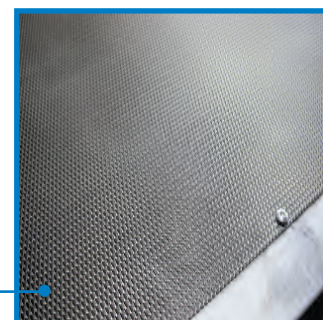
miniature withdrawable unit, up to four withdrawable units per compartment



guide frame coding - to prevent exchange of the withdrawable units



lower shelf, support for circuit breaker, support for bus bar support and door stop in one



expanded metal cover (0,9mm), protection class IP4x

Dimensions, weights, diagrams and descriptions in this brochure are non-binding. Subject to change without notice.

Strom • Sicher • Schalten