

AMG ELM-6D CO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

Efficient machine and facility operation calls for fail-safe and maintenance-friendly control voltage distribution that can be installed in a time and space-saving manner.

With the new maxGUARD system, the terminal blocks (previously installed separately) for distributing potential to the outputs of the electronic load monitors become an integral part of a 24 V DC control voltage distribution system.

The innovative combination of load monitoring and potential distribution saves time during installation, increases safety against failure and reduces the amount of space required on the terminal rail by 50%.

General ordering data

Version	Electronic load monitoring, 6 A, 24 V DC
Order No.	2082440000
Type	AMG ELM-6D CO
GTIN (EAN)	4050118419368
Qty.	1 pc(s).

AMG ELM-6D CO

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	96.5 mm	Depth (inches)	3.799 inch
Height	125 mm	Height (inches)	4.921 inch
Net weight	43 g	Width	18.3 mm
Width (inches)	0.72 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...55 °C
---------------------	----------------	-----------------------	----------------

Probability of failure

MTTF	260 Years
------	-----------

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Input

Current consumption (full load)	$I_{OUT} + 50 \text{ mA}$	Current consumption (idle)	40 mA
DC input voltage range	18...30 V DC	Input fuse (internal)	Yes
Rated input voltage	24 V DC	Surge protection	Suppressor diode
max. admissible residual ripple at the input	100 mVpp		

Output

Capacitive load	15,000 μF	Connection system	PUSH IN
Rated current	6 A	Surge protection	Suppressor diode
Switch-on delay	1 s	Triggering characteristic	see characteristic curve
adjustable rated current	Yes		

General data

Function key	Activation time < 3s, Reset, ON	Operating temperature	-25 °C...55 °C
Relay to activate the output	Yes	Surge voltage category	III

Insulation coordination

Surge voltage category	III
------------------------	-----

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	2.5 mm ²	Conductor cross-section, flexible , min.	0.14 mm ²
Conductor cross-section, rigid , max.	2.5 mm ²	Conductor cross-section, rigid , min.	0.14 mm ²
Connection system	PUSH IN	Number of terminals	6 (3x + / 3x -)

AMG ELM-6D CO

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Signalling

LED green

Red LED

Operation (failure-free),
Early warning: I Out > 90%
I Rated (flashing)

Load monitoring has
disconnected, Load
monitoring has triggered
(flashing), Internal error
(rapid flashing)

Approvals

Certificate no. (cULus)

E258476

Institute (cULus)

CULUS

Classifications

ETIM 6.0

EC002057

ETIM 7.0

EC002057

ECLASS 9.0

27-37-10-16

ECLASS 9.1

27-37-10-16

ECLASS 10.0

27-37-10-16

ECLASS 11.0

27-37-10-16

Approvals

Approvals



ROHS

Conform

UL File Number Search

E258476

Downloads

Approval/Certificate/Document of
Conformity[Declaration of Conformity](#)

Engineering Data

[STEP](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Product Change Notification

[Release-Notes](#)

User Documentation

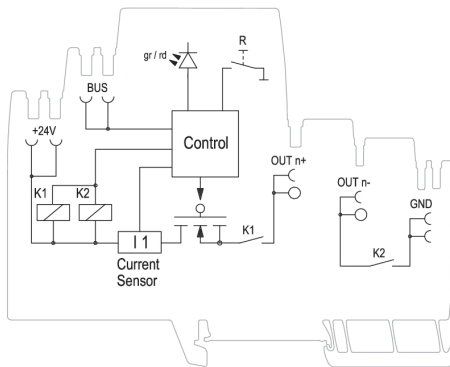
[Manual_maxGUARD](#)
[Operating instructions](#)

AMG ELM-6D CO

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

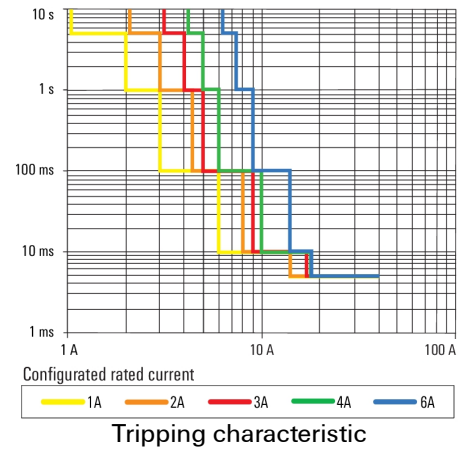
www.weidmueller.com

Drawings



Schematic circuit diagram

Tripping characteristic normal



Tripping characteristic lag

