

DK AND 35 24VDC

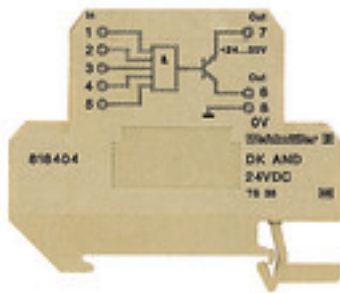
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Logic functions AND, NAND, OR and NOR in modular terminal format with a rated cross-section of 4 mm². They each have five inputs which are fed – with logic gating – via a 24 V/20 mA PNP output. The logic components can be used for many applications involving the coupling of digital sensor/actuator signals with automation devices.

General ordering data

Version	Function component, AND gate
Order No.	8184040000
Type	DK AND 35 24VDC
GTIN (EAN)	4008190121938
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	65 mm	Depth (inches)	2.559 inch
Height	57 mm	Height (inches)	2.244 inch
Width	12 mm	Width (inches)	0.472 inch
Length	65 mm	Length (inches)	2.559 inch
Net weight	29 g		

Temperatures

Storage temperature	-40 °C...60 °C	Operating temperature	0 °C...50 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Probability of failure

SIL in compliance with IEC 61508	None
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Functions

Logic function	and
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General data

Current consumption	<5 mA	Galvanic isolation	Without isolation
Humidity	40 °C / 93 % rel. humidity, no condensation	Input/Output	Logic module
Open sides	right	Power consumption	30 mW
Rail	TS 35	Type of connection	Screw connection
Voltage supply	24...30 V DC		

Insulation coordination

Standards	EN 61000-6-2:2005, EN 61000-6-3:2007/ A1:2011, EN 61000-6-4:2007 + A1:2011, CE
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Input

Input current	Approx. 1.5 mA per input (24 V)	Number of inputs	5
Pulse duration	≥ 50 µs	Rated input level	24 V DC= High, 0 V = Low
Rated voltage	Max. 30 V		

Output

Load impedance current	≤ 600 Ω	Number of outputs	8-bit (1-bit signed)
Output current	max. 20 mA	Output level	PNP, Ub-1.8 V
Switching thresholds	High <15 V, low <9 V		

Connection data

Type of connection	Screw connection	Clamping range, rated connection	4 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	4 mm ²

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Classifications

ETIM 6.0	EC001417	ETIM 7.0	EC001417
ETIM 8.0	EC001417	ETIM 9.0	EC001417
ETIM 10.0	EC001417	ECLASS 9.0	27-24-22-16
ECLASS 9.1	27-21-92-90	ECLASS 10.0	27-24-22-16
ECLASS 11.0	27-24-22-16	ECLASS 12.0	27-24-22-16
ECLASS 13.0	27-24-22-16	ECLASS 14.0	27-24-22-16
ECLASS 15.0	27-24-22-16		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	35d83707-6a3b-45b5-b9f8-6ba8184c863e

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Application notes – Declaration of Conformity
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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Drawings

